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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 21

May 20, 1940

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RECEIVED MAY 21 1940 LIBRARY THE CHEMISTS' CLUB

Volume 137 May 20, 1940 Number 21

Toilet Goods Ass'n Told 'Deals' Are Not Good Merchandising

The campaign of advertising inaugurated some years ago by the Lever Bros. Company, soap manufacturer, under the general title "Beware of Cosmetic Skin" was characterized as inimical and unfair to the cosmetic industry in a resolution adopted by the Toilet Goods Association in its

Herman L. Brooks
Re-elected T.G.A. President

fifth annual meeting held May 14 to 16 in the Biltmore hotel, this city. The resolution also urged that proper representations be made to both the Lever organization and the soap institute in a spirit of conciliation, to end such advertising, and if such negotiations do not result in a clearing-up of the condition, the officials of the association were empowered to further deal with the problem in any manner which seems best.

Promotional programs based on "deals" featuring special price reductions or free merchandise were also termed as unwise in a symposium on the merchandising of toilet goods, in which the gathering heard I. H. Bander, vice-president of McKesson & Robbins, Inc., present the viewpoint of the wholesale druggist; Robert R. Gerstner, of C. & R. Timmerman and chairman of the board of directors of the New York Pharmaceutical Council, for the independent retail druggist; Fred J. Griffiths, president of the Pennsylvania Drug Company, for the chain druggist; and Irving C. Fox, counsel of the National Retail Dry Goods Association, for the department stores. H. Gregory Thomas, of Chanel, Inc., and former director of the board of standards of the association, also addressed the meeting on the subject, "What Can You Get Out of Membership in the Toilet Goods Association?"

An entertainment program which included attendance at the stage play,

--Continued on page 57

Drug Distribution Cost Probe Probable

OPD Washington Bureau
May 16, 1940

The Department of Justice may launch this Summer a nationwide investigation of distribution costs, particularly in the food and drug lines, to determine if current trade practices result in restraints of trade or influences on prices in violation of the antitrust laws.

Encouraged by its success in antitrust proceedings in the building field and by the recent supreme court decisions in the "Ethyl" gasoline and Madison oil cases, the antitrust division hopes to move into the distribution field on a wide scale as soon as funds can be diverted from other investigations and court cases. It is understood that the investigation will include price-maintenance plans, practices of manufacturers, distributors and retailers, commission merchants, teamsters and other labor organizations, and the possible existence of racketeering in certain branches of the food industry.

The general theory of the antitrust division is that many food and drug retail prices are excessive and that investigation may show that this is caused in part by monopolistic practices and particularly by marketing and purchasing methods of the type condemned by the supreme court in its Madison oil decision.

A.Ph.A. Asks Broader Legislation Study

Richmond, Va., May 13, 1940

The American Pharmaceutical Association, at its eighty-eighth annual meeting which closed May 11, passed a resolution extending its cooperation to the American Social Hygiene Association in its campaign against the spread of venereal disease. The appointment of a joint committee of the two associations to further cooperation between physicians and pharmacists in the control of venereal disease was approved and State pharmaceutical associations were urged to appoint committees to work with local, State, and municipal social hygiene societies, boards of health, and others in this effort. In other resolutions, the association took the following action:—

U.S.P. Committee Reports

Asked the association's U.S.P. committee to render periodic reports on the progress of pharmacopoeial revision to be published in its journal.

U.S.P. Convention Petitions

Asked the U.S.P. convention to arrange for inclusion in monographs of information, to assist in the proper labeling of drugs and as many synonyms in common use, to study and decide on nomenclature and the simplification of nomenclature for tests, descriptions, dosage, and other factors, from the standpoint of drug law enforcement; urged to consider the appointment of a special sub-committee on packaging and storage requirements; and that U.S.P. monographs include information on the proper packaging, preservation, and storage of all drugs requiring special provisions of this character, such information to include time limits as to the probable effectiveness of certain drugs and preparations under specified packaging and preservation requirements.

Food and Drug Law

Requested the Food and Drug Administration to eliminate disease names from warning notices required on the labeling of drugs, because they encourage self-diagnosis.

Legislation Committee

Instructed its committee on state food and drug legislation to study the Federal food, drug, and cosmetic act and its regulations and to report its interpretations of the same periodically in the association's journal; that the scope of the work of the committee be enlarged to study the responsibility of pharmacy under the new Federal law in order to give guidance and direction to such changes as are likely to come about in the distribution of drugs and cosmetics, and to study changes in consumer buying habits insofar as they may affect the

—Continued on page 58

Potash Antitrust Suit Consent Decree Submitted

OPD Washington Bureau
May 16, 1940

The Department of Justice today announced the presentation to the United States District Court for the Southern District of New York of a proposed civil decree in the potash case, which if approved by the court, will terminate the litigation. The decree will be submitted in open court to Judge Clancy on May 21 at 2:15 p. m.

Defendants in the case are American Potash and Chemical Corporation, Potash Company of America, United States Potash Company, their principal officers, and three officers and employees of the N. V. Potash Export Maatschappy, Inc., formerly the principal importer and seller of potash.

The potash case has been part of the broad investigation of the fertilizer industry still being conducted by the department. On May 26, 1939, a grand jury in the Southern District of New York returned an indictment against the companies above mentioned and various of their officers, employees and representatives charging a combination to fix prices and otherwise restrain trade in violation of the Sherman act. The present proposal is to terminate the litigation by the entry of a civil decree and the dismissal of the indictment.

At the request of the Department of Justice and of the defendants, the Department of Commerce made an extensive economic investigation of conditions in the potash industry and prepared a report on the subject. This report was released by the Department of Commerce on May 4, 1940, and has been filed with the court. A summary of the report appeared in the May 13 issue of the REPORTER.

For many years prior to the late 1920's practically all of the potash used in the United States was imported from Europe, principally from France and Germany. In 1925 substantial domestic production of potash began at Trona, Calif., and in 1931 and 1935 production was greatly increased by the opening of new mines at Carlsbad, N. Mex. By 1938 domestic production amounted to 60 percent of the total consumption. The major consuming areas for potash are the Southeastern States, the Ohio Valley and the Great Lakes area.

The price structure for the potash industry was established many years ago by the importer, who continued to be the leading supplier until the outbreak of the present war. The importer quoted identical prices c.i.f. at

—Continued on page 61

Oil Chemists Told Research Aids Sales

Recommendation that the oils and fats industry spend more money on research in order to further increase profits was made by Paul D. Boone, of Washington, in an address before the thirty-first annual meeting of the American Oil Chemists Society, held in the Jung hotel last week. Mr. Boone, in speaking on "What the Fatty Oil Industry May Learn from the Petroleum and Other Branches of the Chemical Industry," said that the petroleum industry proportionately had spent more on research and that this research had increased sales and produced higher profits for the industry.

Dr. W. H. A. Schuette, professor of chemistry at the University of Wisconsin, was elected president. He succeeds H. C. Dormitzer, Chicago. Other officers elected were:—

First vice-president, W. G. McLeod, Toronto, Can.; second vice-president, H. S. Mitchell, Chicago; third vice-president, C. V. Serbel, Edgewater, N. J.; fourth vice-president, C. P. Long, Ivorydale, Ohio; secretary-treasurer, J. C. P. Helm, New Orleans.

Other technical addresses included "Important Factors in the Determination of the Peroxide Value of Fats and Oils," by George R. Greenbank, Wash-

—Continued on page 35

Wage-Hour Hearing Set To Define 'Outside Sales'

OPD Washington Bureau
May 13, 1940

The Wage and Hour Division of the Department of Labor has scheduled a hearing June 3 to consider changes in the definition of the terms "executive," "administrator," "professional" and "outside salesman" as they apply to manufacturing and extractive industries.

The wage and hour law exempts employees in these categories from the maximum hours and overtime provisions, and there has been considerable dissatisfaction with the present regulations defining these terms. Two other hearings will be scheduled in the near future to consider definition of these terms as applied to the banking and other financial industries and to publication, communication, public utilities, transportation, and miscellaneous industries. Hearings were held in April on the application of these terms to the wholesaling trades, and no changes will be made in any of the regulations until the three new hearings have been held.

Chemical Engineers Hear Research Reports

Buffalo, N. Y., May 5, 1940

Nearly every industry with which chemical engineering is importantly identified has shown substantial gains in employment, wealth, and technical developments since 1929, Dr. C. M. A. Stine, vice-president of E. I. duPont de Nemours & Co., declared in a paper presented at the thirty-second semi-annual meeting of the American Institute of Chemical Engineers, held in the Statler hotel May 13-15.

Emphasizing the chemical engineer's penetration into all branches of manufacturing industry, including research, production, management and marketing, Dr. Stine stated that chemical engineering has in many cases proven an excellent preparation for leadership in other fields, including transportation, trade, finance, agriculture and the civil service.

When the chemical engineer enters the old, long-established industries, Dr. Stine said that he brings a point of view so independent as to transcend centuries of inertia and tradition. Although the chemical engineer respects tradition, he does not worship it, he continued. To him tradition is a starting point for better things rather than a restraint, he said.

Answering the charge that technological advance causes unemployment, Dr. Stine asserted that admittedly technological change can create, and often does create, localized dislocations in employment, but there is no proof that the total of all employment is reduced.

Producing $500,000,000 worth of products a year, the Niagara Frontier was described as "the capital of elec-

—Continued on page 33

Closing Markets

Tallow Reduced

Sales of tallow were reported on Friday at 5½c. per pound for extra, showing a decline of ⅛c.

Tetrachloride of Tin Higher

Anhydrous tetrachloride of tin advanced ½c. to 26¼c. per pound. No quotations were available for other tin salts. Straits metal closed at 53½c. per pound.

Copper Easier

Custom smelters were offering domestic copper at 11⅜c. per pound late in the week. Primary producers adhered to the 11½c. per pound basis. Outside market was 11⅜c. per pound, and export 11¼c., f.a.s., N. Y.

Cottonseed Oil Lower

Refined cottonseed oil futures had a downward trend on Friday. Outside markets weakened and local and other traders in cottonseed oil sold. The principal support came from the covering of shorts. July closed at 6.45c. and September 6.57c., showing a decline of 65 to 70 points as compared with the final prices of the previous week.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Soda Cyanide:—Belgian Congo has made the importation of crude soda cyanide duty free.

Spanish Imports:—The certificate of origin requirements for shipments to Spain, which were suspended during the recent civil war, have been re-established.

Toiletries:—Argentina will admit imports of toiletries in unlimited quantities up to June 30, 1940.

Uruguayan Imports:—Uruguay allocated $200,000 of controlled exchange and $400,000 of free exchange for imports from the United States during April, of which $30,000 was applicable to chemicals and pharmaceuticals.

Whaling Regulations For 1940 Promulgated

OPD Washington Bureau
May 17, 1940

Secretary of the Interior Harold L. Ickes today announced the promulgation by the Department of the Interior and the Department of the Treasury of the 1940 joint regulations on whaling. The regulations, which govern all phases of whaling, have been approved by President Roosevelt under the whaling treaty act of 1936 and subsequent agreements.

In general, restrictions relative to the use of factory ships follow the already existing international agreements. Anyone engaged in whaling must first obtain a license from the Secretary of the Interior. This will cost $1,000, which fee covers the operating of the factory ship or reduction station and two killer boats. Licenses for extra killer boats cost $250 each.

Quinine Supply Assured By Dutch Trade Deputy

Plentiful supplies of quinine and cinchona bark are assured the United States, according to Robert W. de Greeff, president of R. W. Greeff & Co., for many years prominently identified with the sale of Dutch quinine in the United States.

E. C. Zimmerman, Trade Commissioner for the Netherlands, this city, assured Mr. de Greeff last week that the quinine factory at Bandoeng, Java, has raw material and plant capacity making it certain that normal requirements of the United States could be and would be supplied completely. The commissioner also declared that the reserves of cinchona bark for export are more than sufficient to supply quinine manufacturers in the United States and elsewhere with enough raw material to meet their normal requirements. Mr. Zimmerman was in telephonic communication with Netherland Indies officials last week and was assured that shipments of quinine and bark would be adequate.

—Continued on page 58

Chemical Price Average Boosted

Another war-made advance in the price of quicksilver boosted the general average of prices in the markets for heavy and fine chemicals last week. Some other imported materials were higher, but tin was reduced, and domestic influences brought another cut in corn derivatives.

Current business was moderate, but there was more expectation of improvement in several lines. The spread of hostilities induced but little scary buying.

Prices were advanced on quicksilver, potato starch and dextrin, domestic and Argentine casein, domestic egg albumen and yolk, tapioca flour, J1 and J2 myrobalans, ground sumac, valonia beards and cups, and Japanese sardine scrap. The surcharge on cinchona derivatives was advanced.

Prices were reduced on Straits tin, tetrachloride of tin, cornstarch, corn dextrin, tanner's corn sugar, corn syrup, gum rosin, gum turpentine, rosin oil, castor beans, dried blood at Chicago, East African wattle bark, and tankage.

The REPORTER'S composite index number of prices for heavy and fine chemicals went up to a new high of 129.0 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 91.3, compared with 88.8 at this time last year and 88.9 in 1938.

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Sales Mixed in March

Domestic sales of manufacturers and wholesalers of chemicals, oils, and drugs, and exports of these commodities varied in activity during March, 1940, as compared with the same month in 1939, according to data compiled by the Department of Commerce. Comparison of February and March, 1940, showed that manufacturers sales in all chemicals and allied products were 6.6 percent higher in the latter month; wholesalers sales in March were higher for petroleum, paints and varnishes, and drugs and drug sundries, but slightly lower in the industrial chemicals classification. Comparisons for various groups and some single commodities follow:—

Sales

	Percentage comparison with March, 1939. Mfrs.	Wsrs.
Chemical products	+ 3.2	— 2.7
Drugs and druggists' sundries	...	— 1.5
Medicinal preparations	— 2.5	...
Paints and varnishes	— 5.9	+ 0.3
Petroleum	+ 8.4	+ 7.2

Exports

Coaltar chemicals	+164.3
Gas and fuel oils	— 33.1
Industrial chemicals	+197.6
Lard	— 17.8
Lubricating oil	+ 87.1
Medicinal products	+ 42.6
Motor fuels	— 33.0
Naval stores and resins	— 3.5
Oilcake and meal	+ 21.8
Paints and varnishes	— 13.7
Petroleum, crude	— 14.8
Phosphate rock	— 63.7
Pigments	— 59.7
Soaps and toiletries	— 4.6
Sulphur, crude	— 44.6

Retail Sales

Drug stores, independent	+ 4.6
Chains	— 3.1
Inventories	+ 1.0
Filling stations, independent	+ 1.7

Wholesale Inventories

	Compared at Mar. 30.
Drugs and druggists' sundries	+ 2.6
Industrial chemicals	+ 18.4
Paints and varnishes	+ 7.6
Petroleum	+ 7.6

Pa. Loss Leader Law Ruled Unconstitutional

Philadelphia, May 13, 1940

The Pennsylvania State Supreme Court today declared invalid the 1937 fair sales act prohibiting the selling below cost by a retailer or wholesaler. Justice Horace Stern commented that the act had no clause under which "wilfull underselling deliberately intended to be ruinous" was prohibited. He added that similar laws in other States had such a clause. The lower court had previously held the act unconstitutional.

Leather Chemists to Meet At Lake George May 27

Technical papers pertaining to research developments in the leather industry will be discussed at the thirty-seventh annual meeting of the American Leather Chemists Association, to be held in Hotel Sagamore, Lake George, N. Y., May 27-29. H. B. Merrill, of A. S. Gallen & Son, Milwaukee, will open the meeting with his address as president of the association. Merrill A. Watson, executive vice-president of the Tanners Council of America, will be a guest speaker. The annual banquet will be held May 28, to be featured by the presentation of the W. K. Alsop Award. Dr. Fred O'Flaherty will act as toastmaster.

Among some of the technical papers to be read are: "Synthetic Resins and Their Uses in the Leather Industry," "The Chemical Action of Saturated Lime Solution on Collagen," "Some Effects of a Naphthalene Syntan on Quebracho," "The Dechroming of Chrome-Tanned Leather."

Latin American Exports To Be Studied by Credit Men

Because the recent spread of the European war is quite likely to have serious repercussions on Latin American ability to buy in the United States and Canada, the foreign department and foreign credit interchange bureau of the National Association of Credit Men, in cooperation with the Canadian Credit Men's Trust Association, Ltd., will sponsor a foreign trade luncheon at the First International Credit Congress in Toronto, on Tuesday, May 21. B. C. Gardner, assistant general manager of the Bank of Montreal, will address this luncheon session on "Some Aspects of Trade Relations Between Canada and the United States Under Present Conditions."

Cook Heads U.S.P. Committee of Revision

Washington, May 15, 1940

E. Fullerton Cook, of the Philadelphia College of Pharmacy and Science, was re-elected today chairman of the general committee of U.S.P. revision. The vote in the new committee was 28 to 20, the other candidate being Glenn L. Jenkins, of the College of Pharmacy of the University of Minnesota.

The 1940-50 revision committee, elected this forenoon in the thirteenth meeting of the United States Pharmacopeial Convention, comprises in its fifty members thirty-one who were not members of the committee elected in 1930. The convention also made sweeping changes in the board of trustees: largely because of retirements and deaths only one member of the 1930 board was returned to office.

E. Fullerton Cook
Re-elected U.S.P. Revision Chairman

Four hundred seventy-one delegates, representing 247 institutions, organizations, and other eligible bodies, were registered at the convention. The increasing number of delegations and the consequent unwieldliness of the gathering led to a general expression of a desire to change the setup of the organization. A number of amendments to the constitution and by-laws were adopted and provision was made for a special committee to make a through study of the basic rules with a view of their modernization and other improvement. This committee, to consist of four representatives of the medical profession, four representatives of pharmacal interests, and one representative of a governmental division, will make a report at a special session of the convention to be called within two years by the board of trustees.

Officers and Trustees

The committee on nominations worked until several hours after midnight making its selections of officers, trustees, and members of the committee of revision. The election therefore was not a spirited one, the nominees as a whole being approved by a single ballot cast by the secretary.

The officers of the convention are (the title, "Dr.", is limited herein to the designating of members of the medical profession):—

President, Dr. Charles W. Edmunds, Ann Arbor, Mich.

First vice-president, H. A. B. Dunning, Baltimore.

Second vice-president, Dr. Cary Eggleston, New York.

Third vice-president, George Moulton, Peterborough, N. H.

Fourth vice-president, Dr. H. C. Wood, jr., Philadelphia.

Fifth vice-president, Robert C. Wilson, Athens, Ga.

Secretary, L. E. Warren, Chevy Chase, Md.

Assistant secretary, Frank Delgado, Washington.

Treasurer, W. Paul Briggs, Washington.

Members of the board of trustees, E. F. Kelly, chairman, Washington; Robert L. Swain, New York, Ernest Little, Newark, N. J.; Dr. Morris Fishbein, Chicago; Dr. Walter A. Bastedo, vice-chairman, New York. (Adley B. Nichols, Philadelphia, is temporarily secretary to the board.)

In a special resolution adopted with a rising vote the convention expressed earnest appreciation of the long and efficient work of Dr. J. H. Beal as a member and chairman of the board of trustees. Dr. Beal retired from the board because of his advancing years.

Appreciation was similarly expressed for the work of Samuel L. Hilton, who retired after serving as treasurer of the convention for several decades.

The work during the past decade of Dr. Walter A. Bastedo as president and that of E. Fullerton Cook as revision chairman, also were formally appreciated by the convention.

Revision Committee

The personnel of the committee of revision for 1940-50 is as follows (the title, "Dr.", is limited herein to the designating of representatives of the medical profession):—

Dr. H. G. Barbour, New Haven, Conn.; Dr. W. A. Bastedo, New York; George D. Beal, second vice-chairman, Pittsburgh; F. E. Bibbins, Indianapolis; Dr. C. L. Brown, Philadelphia; J. B. Burt, Lincoln, Neb.

Dr. W. B. Castle, Boston; C. W. Chapman, Baltimore; B. V. Christensen, Columbus, Ohio; E. Fullerton Cook, chairman, Philadelphia.

Dr. A. C. DeGraff, New York; Dr. M. S. Dooley, Syracuse, N. Y.; Dr. C. A. Dragstedt, Chicago; A. G. DuMez, Baltimore.

R. P. Fischelis, Trenton, N. J.; P. A. Foote, Gainesville, Fla.

Dr. Harry Gold, New York; F. J. Goodrich, Seattle, Wash.

L. E. Harris, Norman, Okla.; Dr. T. J. Hill, Cleveland, Ohio.

M. L. Jacobs, Chapel Hill, N. C.; G. L. Jenkins, Minneapolis; C. B. Jordan, Lafayette, Ind.

J. C. Krantz, jr., secretary, Baltimore.

H. A. Langenhan, Mercer Island, Wash.; J. L. Lascoff, New York; C. O. Lee, Lafayette, Ind.; A. B. Lemon, Buffalo, N. Y.; Dr. Perrin Long, Baltimore.

Dr. E. K. Marshall, jr., Baltimore; Dr. G. W. McCoy, Washington; Dr. W. L. Mendenhall, Boston; H. C. Muldoon, Pittsburgh.

Dr. E. E. Nelson, New Orleans; E. L. Newcomb, New York.

C. L. O'Connell, Pittsburgh.

J. L. Powers, Washington.

J. A. Reese, Richmond, Va.; L. W. Richards, Missoula, Mont.

G. C. Schicks, Newark, N. J.; C. L. A. Schmidt, San Francisco; A. J. Schwarz, Memphis, Tenn.; L. A. Seltzer, Detroit; Dr. V. E. Simpson, first vice-chairman, Louisville, Ky; Dr. Isaac Starr, Philadelphia.

F. O. Taylor, Detroit.

Dr. Soma Weiss, Boston; E. H. Wirth, Chicago.

H. W. Youngken, Boston.

L. C. Zopf, Iowa City, Iowa.

Revision Principles

General principles to be followed in preparing revisions of the pharmacopeia were adopted by the convention by the approving, with a few modifications, of the following recommendations by Dr. E. Fullerton Cook, chairman of the revision committee:—

Object and Scope

The object of the pharmacopeia is to provide standards for drugs and medicines of therapeutic usefulness or pharmaceutic necessity, sufficiently used in medical practice within the United States or its possessions*; to lay down tests for the identity, quality and purity of these; to insure, so far as practicable, uniformity in physical properties and active constituents.

It is recommended that the committee of revision be authorized to admit into the pharmacopeia a carefully selected list of medicinal substances of known origin, but no substance or combination of substances shall be introduced if either the composition or mode of manufacture thereof be kept secret. A statement shall be placed in the preface to the effect that standards for purity and strength, described in the text of the pharmacopeia, are intended to apply solely to substances which are to be used for medicinal purposes, or for determining their identity and purity.

Dr. W. A. Bastedo
President 1930-40 U.S.P. Convention

* An amendment to include other nations which adopt the United States Pharmacopeia as their standard was referred to the board of trustees with power to act.

Doses

It is recommended that for pharmacopeial substances which are intended for therapeutic use, the committee of revision is instructed to state where feasible, the average (neither minimum nor maximum) doses for adults, and where deemed advisable, also for children. The term, "average dose," is to be interpreted as the dose which might reasonably be expected to produce the therapeutic effect for which the substance is most commonly employed. The metric system is to be used, followed by approximate equivalents in apothecaries' weights or measures. It is to be understood that neither this convention nor the committee of revision created by it intends to have these doses regarded as obligatory on the physician or as forbidding him to exceed the doses given, whenever, in his judgment, this may seem advisable; the committee of revision shall make a declaration to this effect in some prominent place in the pharmacopeia.

Nomenclature

It is recommended that changes in the titles of articles at present official be made only for the purpose of insuring greater accuracy, brevity, or safety in dispensing or to provide conformity with international usage, and the eliminate thereapeutically suggestive titles.

In the case of newly admitted articles, it is recommended that such titles be chosen as are in harmony with general usage and convenient for prescribing; for synthetic chemicals, with lengthy or unwieldly names, the committee of revision shall be empowered to coin short titles, preferably based upon the true chemical names, but in the case of chemicals of definite composition the scientific name shall be given, at least as a synonym.

Dr. C. W. Edmunds
President 1940-50 U.S.P. Convention

There may also be inserted, after each official English title, an abbreviated title, to be known as the official abbreviation.

It is recommended that botanical and zoological names shall conform to the rules of the International Botanical Congress and the International Zoological Congress, and that chemical names shall conform, so far as possible, to those used in Chemical Abstracts, published by the American Chemical Society.

Synonyms

It is recommended that the use of synonyms shall be continued and that the synonyms shall be printed in the text of the pharmacopeia immediately after the official English title of the substance. When a substance is known in commerce under more than one commonly used English name, such vernacular titles shall, as far as desirable, be given as synonyms. A statement shall be made in the preface of the pharmacopeia that substances designated by an official synonym must comply with the same standards, tests, and requirements as are demanded for the substances under the official title.

Standards

It is recommended that the committee of revision be instructed to provide standards of purity, quality, and strength for pharmacopeial substances for which limiting tests are or may be given. While no concession should be made toward diminution of medicinal value, an

—*Continued on page 34*

F.D.A. Transfer to Security Agency Effective June 10

OPD Washington Bureau
May 14, 1940

The senate today rejected by a vote of 46 to 34 a resolution to disapprove reorganization plan No. IV which includes transfer of the Food and Drug Administration to the Federal Security Agency.

As a result of this vote the plan will go into effect on June 10. The house had previously voted disapproval of the plan, but under the reorganization act a majority vote of both houses is required to keep a reorganization order from going into effect.

Most of the debate in the senate dealt with that portion of the plan transferring the Civil Aeronautics Authority to the Department of Commerce, but the Food and Drug Administration transfer entered the discussion at times. During the debate the senate was read brief letters opposing the removal of the Food and Drug Administration from the Department of Agriculture submitted by various associations. Senator Warren R. Austin of Vermont submitted to the senate a memorandum from an unidentified source citing objections to the transfer and reading as follows:—

This plan transfers the Food and Drug Administration from the United States Department of Agriculture to the Federal Security Agency, as a unit therein. If such transfer becomes effective then the Federal food, drug, and cosmetic act will be executed by the Federal security administrator, in lieu of the Secretary of Agriculture, for its immediate execution is directed by the Food and Drug Administration.

This transfer invites two objections by the industries subject to this act. The first objection is that there is no compelling reason for it, because this act is well and satisfactorily administered by the Secretary of Agriculture; and there is no apparent resulting increase in the economy or efficiency of such administration. The Federal food and drug law has always been administered in the Department of Agriculture, since its inception more than 60 years ago, with the exception of certain internal revenue acts necessarily administered in the Treasury Department and the incidental virus act administered by the Public Health Service, formerly therein. This law grew up in the Department of Agriculture because of the close relation of food to agriculture, and that department has developed an expert and able administration of such Federal legislation, by long experience therewith. The second objection is that this transfer is potential for an indirect and probably an ultimate direct medical control of the administration of this act. Such an administration would not be the impartial one now had, because it would be from

—*Continued on page 54*

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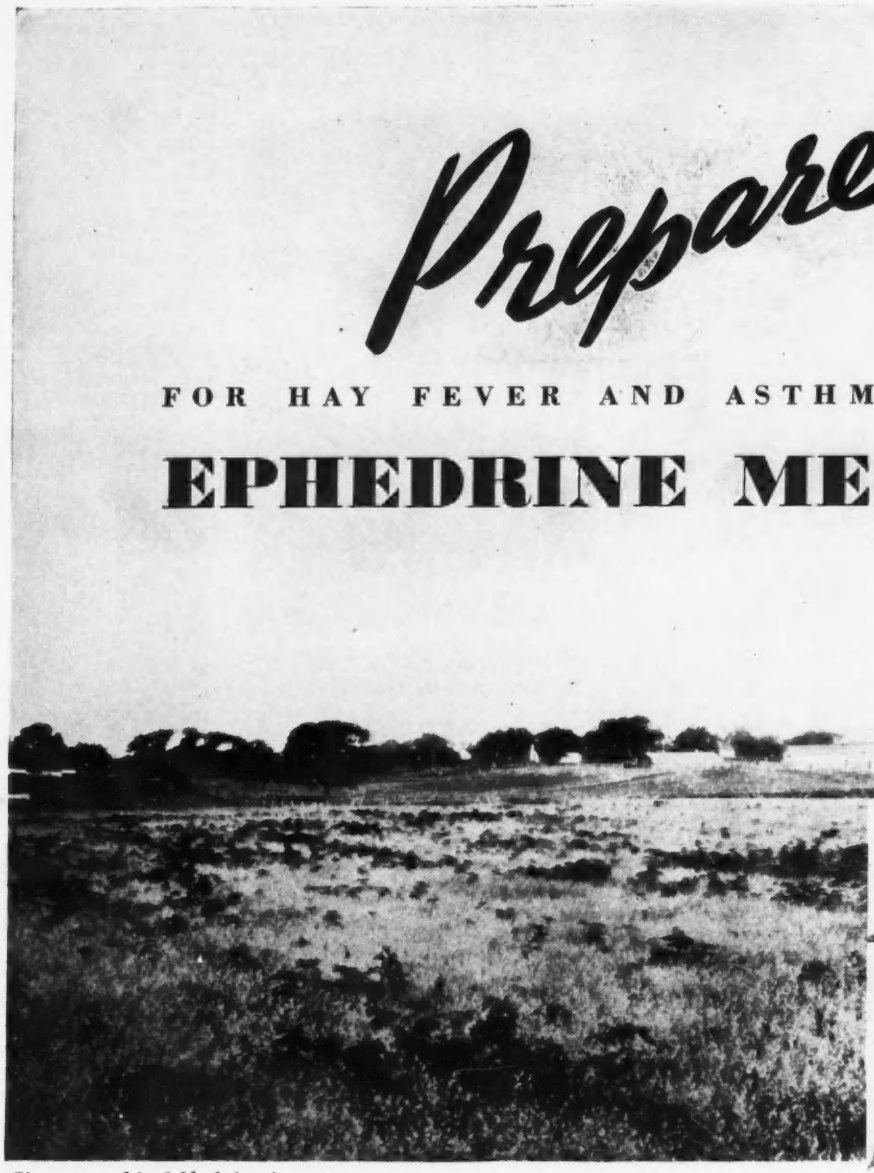

Giant ragweed in field of ripening oats

Giant ragweed *Common ragweed*

- *SPRAYS*
- *TABLETS*
- *CAPSULES*
- *JELLIES*
- *LIQUIDS*
- *POWDERS*

Ephedrine Alkaloid U.S.P.
Ephedrine Hydrochloride U.S.P.
Ephedrine Sulfate U.S.P. Cryst.
Ephedrine Sulfate U.S.P. Powd.

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FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

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RECEIVED MAY 21 1940 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

May 17, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys..100 lbs. 14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs. 10.25 -10.50
cbys.....100 lbs. 10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs. 10.25 -10.50
cbys.....100 lbs. 10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton. 93.50 - —
bgs., c.l., frt. alld...ton. 96.00 - —
ton lots, ex whse...ton. 108.00 - —
less than ton lots, ex whse..ton. 113.00 - —
bbls., c.l., frt. alld...ton. 106.00 - —
ton lots, ex whse..ton. 118.00 - —
less than ton lots, ex whse..ton. 123.00 - —
powd., bgs., c.l., frt. alld. ton. 101.00 - —
ton lots, ex whse...ton. 113.00 - —
less than ton lots ex whe..ton. 118.00 - —
bbls., c.l., frt. alld...ton. 111.00 - —
ton lots, ex whse...ton. 123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton. 128.000 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caproic, dms., works.....lb. .35 - .40
Carbolic, (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¾- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .08½- .09
tanks.....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms....gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis.....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis.....gal. .47 - .48
tanks, dlvd. East. U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys... lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dm.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12
plastic grade, bbls., cbys, 20 or more..lb. .12¾- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½

Acid, lactic, 80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .13½- .14
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark, dms.....lb. .12½- .13
light, dms.....lb. .13¼- .13¾
extra white, dist., dms...lb. .14¼- .14¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms, c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l. 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .17¾- .18¼
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb. 15.00 -15.50
5-lb. bots.....lb. 16.50 - —
1-lb. bots.....lb. 17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45- —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms...lb. .07 - .07½
tanks.....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump., powd., bbls..lb. 1.20 - —
cns.....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., c.l., works....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13¼- .14½
Succinic, bbls.....lb. .75 - —

Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.63
tech., dms., works.....lb. .04 - .10
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton. 13.00 - —
66°, cbys., c.l., E. works... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton. 16.50 - —
98°, tanks, works.....ton. 17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton. 18.50 - —
65%, tanks, E. works...ton. 36.00 - —
Tannic, tech., bbls., dms...lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .37¼- —
smaller quantities...lb. .37½- —
kgs.....lb. .38¼- —
Tebias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works...lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .36 - .38
Aconitine, amorph, bots.....oz. 23.00 - —
vls.....gr. 1.00 - —
cryst., bots.....oz. 42.00 - —
vls.....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1, bls.....lb. 1.40 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, c.l., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, l.c.l., dms., wks...lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per lb. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Caprylic, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .93 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

A GUARD ON DUTY
—always

That's what you have when your drums are equipped with Tri-Sure Closures

THERE is a sentinel on duty always — a guard that defies all trespass — when a drum is equipped with Tri-Sure Closures.

No hand can touch the contents of a Tri-Sure-sealed drum. No leakage or waste can cause the loss of a single drop. The reason is that Tri-Sure Closures give the *triple-protection* of a perfected seal, plug and flange—a leak-proof *seal* which cannot be removed unless it is deliberately destroyed; a perfectly tight *plug* which is held securely by gaskets in plug and seal; a *flange* that is always flush with the inside of the drum-head.

Tri-Sure's triple protection is the kind of protection every drum should have. Why not put this "sentinel" on guard over *your* product and *your* reputation — a sentinel that will say "all's well" with every drop you ship. Write today for complete information on Tri-Sure Closures.

AMERICAN FLANGE & MANUFACTURING CO. INC.
30 Rockefeller Plaza, New York

Tri-Sure

Reg. U. S. Pat. Off.

CLOSURES

STOP LEAKAGE • WASTE • TAMPERING • PILFERAGE • SUBSTITUTION

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works.. gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., 33,000 lbs, works, lb. .20 - —
l.c.l., 500 lbs, and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis..gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.30 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .40 - .42
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .41 - .42
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point. dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20

Alumina, palmitate, precip., bbls. lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works...100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder psices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04½- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0555- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots .....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls. ex-dock N.Y..lb. .11½ Nom.
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton.28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, casks .....100 lbs. No price
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19

Amylacetate, ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .28
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.50 - 1.95
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14¼- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .13½- .14
Cyprus, bgs.....lb. .15½- .16
Mexican, bgs.....lb. .13½- .14
Spanish, bgs.....lb. .27½- .28
Star, bgs.....lb. .15½- .16
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 5.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. .17½- .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons). Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points., ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 2.50 - 2.60
sodium, cs.....lb. 2.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —

Alcohol—Bismuth Trioxide

Barium, carbonate, precip., bbls., c.l., works..ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs. .....lb. .27 - —
Chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, dms., c.l., ungrd., works. lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l. dock. t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 Nom.
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .35 - .45
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots, lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.06
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —

Bis.-Ammo Cit.—Charcoal

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3 bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
dlvd..lb. .06¼- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars., c.l., f.o.b. plants. lb. .02½- —
f.o.b. New York harbor..lb. .0335- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y...lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .06¾- —
works..lb. .12¾- .16¼
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09¼- —

Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.59.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.90 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.75 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Blue, bronze, bbls., same basis, alkali toner, contracts..lb. .89 - —
open order.....lb. .97 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts..lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
Blue, ultramarine, dry or pulp, regular grades, bbls., same basis..lb. .16 - .27

Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher. 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —

Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.50 - —

Phosphate, precip. (see Calcium phosphate dibasic, precip.)

Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
phos., bgs., c.i.f. ports..ton.36.00 - —
Borax, tech., 99½% gran., bulk, c.l., frt. all..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld.....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —

USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bags., e.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. 11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, East on Pa., N.Y..lb. .04½- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, l.c.l., Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
ex whse., Kansas City.. lb. .05½- —
l.c.l., Los Angeles, Portland, San Francisco, Seattle..lb. .04¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .55 - .60
Buckthorn bark, true, bls.....lb. .30 - .32
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .15 - .16
Burgundy pitch, dom., dms....lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14½- .16¼
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld.....lb. .09½- —
contract prices 1c. per lb. less.
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Butyl, aldehyde, dms., c.l., works, lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbasol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .29 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .28 - .30
bleached, bls.....lb. .90 - .95
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-86%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquer, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .86
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l., lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton.46.00 - —
80%, CaS., bgs., c.l., wks.ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .50 - .55
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, pound, cs..lb. .85 - .86
slabs, cs.....lb. .85 - .86
tablets, tins.....lb. .90 - .91
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .0350- .0380
Morocco, bgs.....lb. .0350- .0380
Turkish, bgs.....lb. .0330- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.00 - 1.05
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .22 - .23
Carbasole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm., (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06¼- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. adll.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.10 - 1.60
decorticated, cs.....lb. .82 - .84
green, bgs.....lb. .65 - .67
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .16 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11 - .13
5 tons, works.....lb. .11½- .13½
smaller lots, works.....lb. .12 - .14
80-100 mesh, bgs., c.l.....lb. .11½- .13½
5 tons, works.....lb. .12 - .14
smaller lots, works.....lb. .12½- .14½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11 - .12
80-100 mesh, bgs., c.l. duty paid..lb. .11½- .12½
French, 30 mesh, bgs., c.l., duty paid..lb. .15 Nom.
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .15 Nom.
Cassia, Batavia, No. 1, bls....lb. .16 - .16½
shortstick, bls.....lb. .11½- .12
broken, bls.....lb. .11½- .11⅝
China, rolls, select, bls. ....lb. .09¼- .09⅝
broken, extra, bls.....lb. .07¾- .08¼
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .12 - .13
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.68.00 -70.00
Oil (see Oil, castor).
Pomace, dom., 6¼% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.i.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .24 - .24½
Indian, bgs.....lb. .14 - .14½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (29-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .25 - —
kgs., works.....lb. .27 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 350 lbs., c.l., f.o.b. works..lb. .06¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .38 - .40
Roman, bls.....lb. 1.25 - 1.30
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
c.l., dlvd., Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.60 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —

Charcoal, softwood, gran., bgs., Michigan ....ton. 29.80 - —
Ohio ....ton. 29.80 - —
Penn. ....ton. 31.80 - —
Utah ....ton. 36.00 - —
Willow, powd., bbls. ....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works....lb. .02¾- —
tanks, works....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton. 10.00 -16.00
bulk, c.l., works...ton. 7.00 - —
bgs., c.l., works....ton. 8.50 - —
l.c.l., works....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. 26.00 Nom.
powd., cks., l.c.l., ex dock, ton. 39.00 Nom.
ex whse....ton. 42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs....lb. .96 - 1.05
100 lbs....lb. .98 - 1.07
25 lbs....lb. 1.00 - 1.09
1-10 lbs....lb. 1.05 - 1.13
dms., 1,000 lbs....lb. .90 - —
500 lbs....lb. .93 - —
100 lbs....lb. .96 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs....lb. .35 - —
smaller lots, bgs....lb. .38 - —
Chlorine, liq., cyls., c.l., divd., N. Y..lb. .05¼- —
contracts, divd., N. Y..lb. .05¼- —
l.c.l., divd., N. Y....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 -
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms....lb. .22 - —
50-lb. dms....lb. .23 - —
USP, 650-lb. dms....lb. .30 - —
100-lb. dms....lb. .32 - —
50-lb. dms....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works....lb. .85 - —
5-25-lb. cyls., works....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., divd..lb. .13½- —
solut., 8½%, cs., bbls....lb. .05¾- —
Cake, bulk, c.l., works....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs....lb. .45 - —
scale, dms., 100 lbs....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs....lb. .70 - .75
20 in., medium, cs....lb. .70 - .75
USP, broken quill, red, bgs., lb. .25 - .26
yellow, bgs....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns....100 ozs..oz. .90 - —
powd., cns....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz. ,to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns....100 ozs..oz. .62 - —
powd., cns....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms. lb. 3.40 - —
1 and 5-lb. bots....lb. 3.50 - 3.55
100 lbs., dms....lb. 3.30 - —
Cinnamic acohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys....lb. .85 - .90
Cinnamon, Ceylon, 2 bls....lb. .18½- .19
3 bls....lb. .16½- .16¾
Citral, bots., cns....lb. 1.40 - 3.10
Citrine ointment, jars....lb. .95 - .97
Citronellal, bots., dms....lb. .75 - .80
Citronellol, bots., dms....lb. 1.60 - 1.85
Clove, Amboyna, bgs....lb. .22 - .23
Madagascar, bls....lb. .15¾- .16¼
Zanzibar, bls....lb. .15¾- .16
Clover tops, red, bgs....lb. .40 - .45
dom., bgs....lb. .35 - .40
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works....bbl. 8.25 - 8.50
tanks, works....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works....bbl. 8.75 - 9.00
tanks, works....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works....dm. 8.75 - —
Cobalt acetate, bbls., kgs., divd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., works....lb. .76 - .80
Hydrate, bbls....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls....lb. .33 - —
Oleate, bbls....lb. .25 Nom.
Oxide, black, kgs....lb. 1.84 - —
Resinate, fused A, bbls....lb. .13½- —
1 %, bbls....lb. .13 - —
2 %, bbls....lb. .14 - —
3½%, bbls....lb. .17½- —
precip., dms., divd....lb. .34 - —
Sulphate, dms....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs....lb. .37 - .38
Teneriffe, silver, bgs....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .12¾- .13
Cocillana bark, bgs....lb. .30 - .31
Codeine, cns., 100 ozs....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 oz....oz. 9.00 - —
Sulphate, cns., 100 ozs....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls....lb. .07 - .08
Blue, root, bls....lb. .07 - .08
Colchicine, bots., cns....oz. 20.00 -25.00
Colchicum seed, bgs....lb. .40 - .45
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs....lb. .18 - —
Colocynth pulp, bls....lb. .55 - .56
Colombo root, bls....lb. .15 - .16
Coltsfoot leaves, bgs....lb. .15 - .16
Condurango bark, bgs....lb. .12 - .13
Conium leaves, bls....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .30 - .33
S.A., USP, cns....lb. .36 - .37
Copper acetate, normal, bbls., divd..lb. .22 - —
smaller containers, divd..lb. .24 - —
Carbonate, 52-54%, bbls....lb. .1610- —
Chloride, cryst., bbls....lb. .16 - —
Cyanide, tech., bbls....lb. .34 Nom.
Iodide, bots....lb. 5.15 - 5.19
Metal, electrolytic....lb. .11½- —
Nitrate, cryst., bbls....lb. .16¼- —
Oleate, precip., bbls....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls....lb. .15 - .16
Stearate, precip., bbls....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis. 100 lbs. 4.75 - —
6-15 bbls., same basis. 100 lbs. 4.95 - —
1-5 bbls., same basis. 100 lbs. 5.20 - —
Copper, sulphate, monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l.c.l. dealers....100 lbs. 10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton. 18.00 - —
bbls., c.l., works....ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works....100 lbs. 1.65 - —
1-4, works....100 lbs. 2.00 - —
bulk, c.l., works....ton. 14.00 - —
Copra, Coast, shipt....lb. .0155 Nom.
Coriander seed, Morocco, bgs..lb. .04¾- .05¼
bleached, bgs....lb. .07 - .07½
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.19 - —
slabs, bbls., c.l....100 lbs. 3.11 - —
solid, bbls., c.l....100 lbs. 3.23 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.22 - —
43°, bbls., c.l....100 lbs. 3.27 - —
Cornsilk, bls....lb. .11 - .12
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls....lb. .11 - .13
Cottonseed hull ash, 32-36% pot-ash, bgs., divd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns....lb. 2.85 - 3.10
1-lb. cns....lb. 3.00 - 3.25
1-oz. cns....lb. 3.35 - 3.60
less than 5 lbs., cns....lb. 4.15 - 4.65

Charcoal—Cube Root

Cramp, bark, genuine, bls....lb. .23 - .24
so-called, bls....lb. .06 - .07
Cranesbill root, bls....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .30¾- —
smaller lots, bbls....lb. .31¼- —
bgs....lb. .31¾- —
Creosote, beechwood, bots....lb. .70 - .75
Hardwood, USP, bots....lb. .45 - .47
Pine, dms....gal. .28 - —
Carbonate, bots., cbys....lb. 1.40 - 1.75
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25

25 Years of PHENOL U. S. P. Production

CAN YOU LOOK BACK 25 years? Do you remember, long before the era of the "talkies," when the moving picture sensation of the hour was "The Birth of a Nation"? That was in 1915, the year of the Panama-Pacific International Exposition at San Francisco; also the year when Dow started the manufacture of synthetic phenol.

The original phenol plant Dow built to supply phenol for medicinal and industrial uses became obsolete as the demand increased through the expanding use of phenol in the manufacture of salicylates and industrial products.

This led in 1922 to the development by Dow of an entirely new process and the erection of the largest plant in the world for the manufacture of synthetic phenol.

The growth of Dow phenol production is due to the fact that leading makers of antiseptic, germicidal, and deodorizing preparations for the drug trade and disinfectants for sanitary, medicinal, and surgical purposes regard Dow Phenol, U.S.P. as the preferred product.

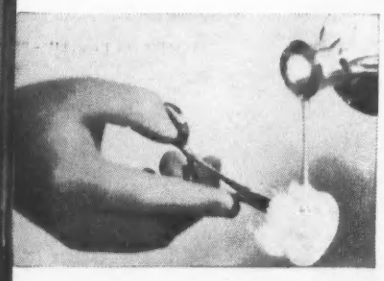
Dow Phenol, U.S.P., is water white; has a congealing point of 40° C. Shipped in 25-gal. drums (galvanized); 29-gal. drums (tinned); and 55-gal. drums (galvanized).

DOW

PRODUCERS OF OVER 300 CHEMICAL PRODUCTS

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Branch Sales Offices: New York City, St. Louis, Chicago, San Francisco Los Angeles, Seattle.



Cube Root—Furfural

Cube root, powd., 5% rotenone, 2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .16 - .16½
Cyprus, bgs.....lb. .15½- .16
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¼- —
Cyanamide, 22% N_2, pulv., bgs., divd., contracts, N_2 unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .26 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .56 - —

D

Damiana leaves, bls.....lb. .25 - .26
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras common, dom., bbls...lb. .08½- .09½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt, equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.55 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.75 - —
Potato, import, bgs.....lb. .08 Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.09 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., cl., dvld....lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., cl., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l, works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl)
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19¼- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l.....lb. .19¼- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylaniliin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilliseed, recleaned, bgs.....lb. .15 - .15½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd.., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .15 - .18
Hungarian, bls.....lb. .24 - .25
Dogwood bark, Jamaica, bls., lb. .06 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Doggrass root, cut, bls.....lb. .17 Nom.
reeds, thin. cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red. No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —

Dyes, coaltar (certified colors) for drugs and cosmetics.
Black, D&C black, No. 1, lb. 8.55 - —
Blue, D&C blue, No. 6....lb.18.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.25 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns..lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 87, cns....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3....lb.21.85 - —
Ext.D&C, red, No. 8....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 12, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .59 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .50 - .55
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.90
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
998 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .42
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene greeen B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
87 Amidonaphthol red 6B, lb. .66 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Croscin scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant croscin M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
188 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .62
imported.....lb. .51 - .53
Elder flowers, bright, bls.....lb. .38 - .39
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1-000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.75 - 3.80
Eserine, bots.....oz.42.00 -45.00
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
Ether, synth., dms., c.l., works, lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
95-98%, dms., c.l., frt. alld.lb. .08¼- —
l.c.l., frt. alld.....lb. .08¾- —
tanks, frt. alld.....lb. .07¼- —
N.F., 480 lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal., cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15½- .18½
tanks.....lb. .13½- —
Monobutylether, dms., c.l.,works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l.works, lb. .14¼- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinaniliin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13½- .14
French, bgs.....lb. No prices
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11¾- .12¼
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l.....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns....gal.12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .16 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.50 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.58.00 - —
wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, May shipt..ton.53.50 - —
spot..ton.53.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.21.00 - —
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —

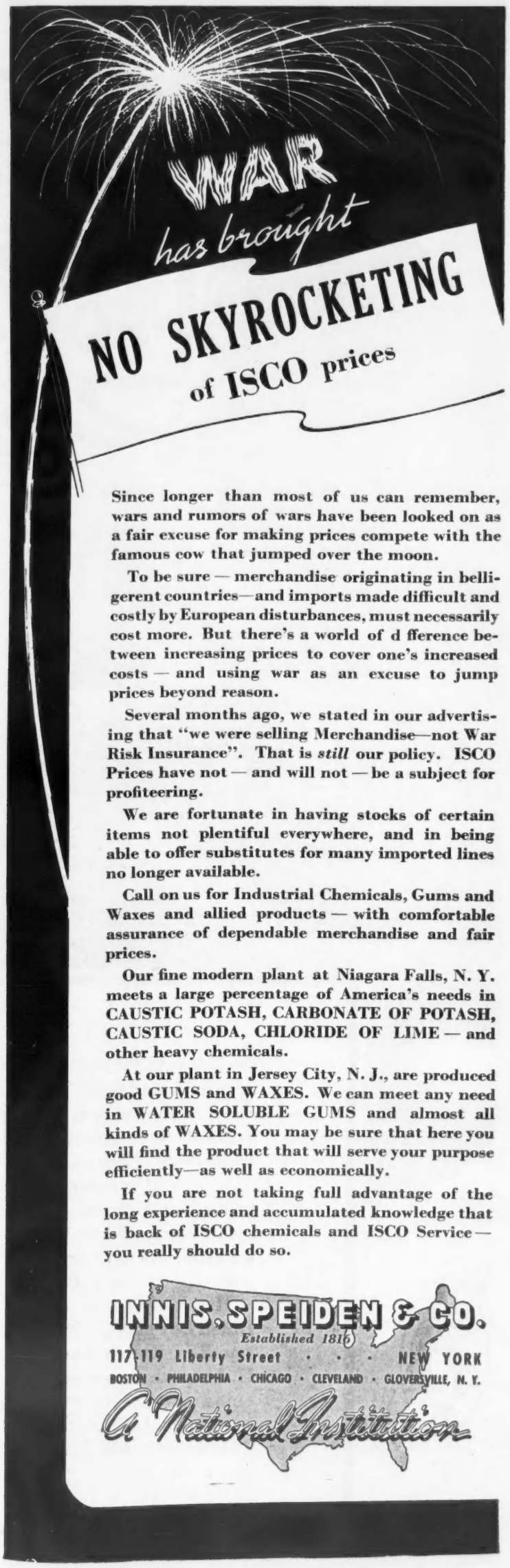
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .09 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .06¾- .07½
California, 54-58, tanks...gal. .05¾- .07
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¾- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03½- .04
third grade, tanks....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04¼- .04¾
natural, 12-lb. v.p., tanks, gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¾- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅞
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¼- .01½
below 60 octane, tanks.gal. .02 - -
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¼- .01½
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 - 3.00
Gingeer root, African, bgs.....lb. .07 .07¼
Cochin, lemon, bgs.....lb. .08½- .09
Jamaica, bold, bgs.....lb. .12¼- .12⅝
medium, bgs.....lb. .09 - .09¼
grinding, bright, bgs.....lb. .08¾- .09
Japanese, bgs.....lb. .08¾- .09¼
Ginger root, African, bgs.....lb. .07 - .07¼
lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
34/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 95%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .13½- .14
Goldenseal, root, bls.....lb. 3.65 - 3.85
powd., bxs.....lb. 3.90 - 4.10
Grains of paradise, bgs.....lb. .38 - .39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works, lb. .02¼- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —

Fusel Oil—Gum, Copal

Grease, house, loose.....lb. .04½ Nom.
White .....lb. .04½ Nom.
Yellow .....lb. .04½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .55 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .08½- .09
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .12½- .13
Asafetida (see A).
Asphaltum (see A).
Gum, benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .18 - .19
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; L.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22½- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18½- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12½- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .05½- —



Since longer than most of us can remember, wars and rumors of wars have been looked on as a fair excuse for making prices compete with the famous cow that jumped over the moon.

To be sure — merchandise originating in belligerent countries—and imports made difficult and costly by European disturbances, must necessarily cost more. But there's a world of d fference between increasing prices to cover one's increased costs — and using war as an excuse to jump prices beyond reason.

Several months ago, we stated in our advertising that "we were selling Merchandise—not War Risk Insurance". That is *still* our policy. ISCO Prices have not — and will not — be a subject for profiteering.

We are fortunate in having stocks of certain items not plentiful everywhere, and in being able to offer substitutes for many imported lines no longer available.

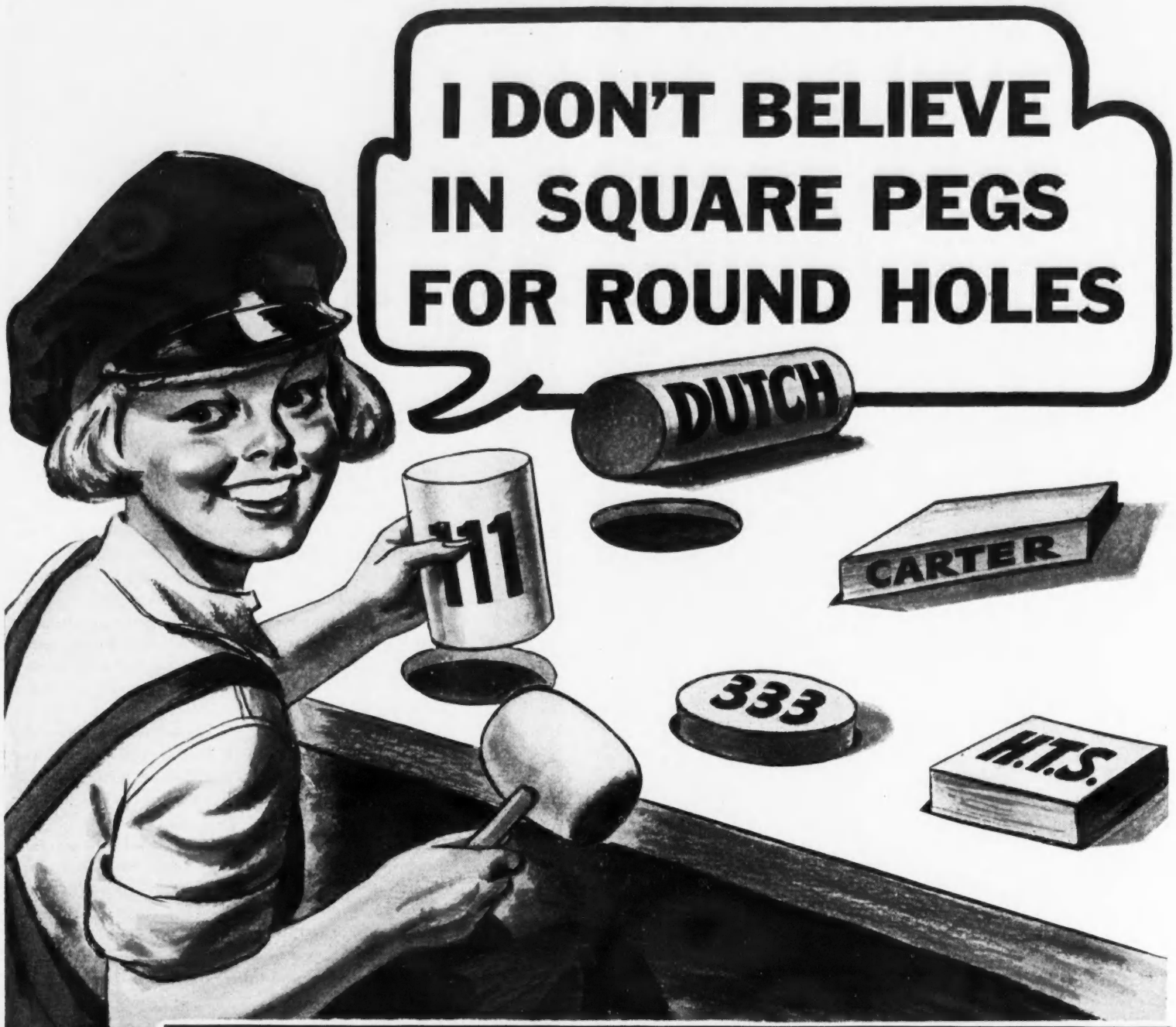
Call on us for Industrial Chemicals, Gums and Waxes and allied products — with comfortable assurance of dependable merchandise and fair prices.

Our fine modern plant at Niagara Falls, N. Y. meets a large percentage of America's needs in CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA, CHLORIDE OF LIME — and other heavy chemicals.

At our plant in Jersey City, N. J., are produced good GUMS and WAXES. We can meet any need in WATER SOLUBLE GUMS and almost all kinds of WAXES. You may be sure that here you will find the product that will serve your purpose efficiently—as well as economically.

If you are not taking full advantage of the long experience and accumulated knowledge that is back of ISCO chemicals and ISCO Service — you really should do so.

INNIS, SPEIDEN & CO.
Established 1816
117-119 Liberty Street · · · NEW YORK
BOSTON · PHILADELPHIA · CHICAGO · CLEVELAND · GLOVERSVILLE, N. Y.
A National Institution



Square pegs for square holes. Round pegs for round holes. That's the Dutch Boy's method of operating. He has developed five separate and distinct white-leads. Each of the five has its own special combination of paint-making characteristics. So you have a much better chance to find a white-lead that fits your product—a "lead" with exactly the qualities you desire.

Here's the wide choice that the Dutch Boy offers: First, those two old standbys, Dutch and Carter. Next, H.T.S. with its increased paint-thickening power, tinting strength and hiding power. Finally, the new 333 and 111 White-Leads, both of which rate even higher in these qualities. No. 111 for example, has greater paint-thickening power, tinting strength and hiding power than any other white-lead on the market.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY—111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 1376 River Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Phila.

Gum, copal, Batu, bold, chips, bgs., c.l., same basis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04¾- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
black, bold, scraped, bgs., c.l., same basis..lb. .09¾- —
unscraped, bgs., c.l., same basis..lb. .06¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¾- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13¾- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis..lb. .11¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14¾- —
chips, bgs., c.l., same basis, lb. .08¾- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13¾- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., cl., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12¾- —
DK, bskts., c.l., same basis, lb. .09¾- —
dust, bskts., c.l., same basis..lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit - soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis, lb. .12½- —
MA, bskts., c.l., same basis, lb. .09 - —
MB, bskts., c.l., same basis, lb. .08½- —
WS, bskts., c.l., same basis, lb. .12¼- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09¾- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11¼- —
extra pale sorts, bskts., c.l., same basis..lb. .12¼- —
nubs, bskts., c.l., same basis..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15¼- —
mixed, bgs., c.l., same basis, lb. .14¼- —
split, bgs., c.l., same basis, lb. .13¼- —
chips, bgs., c.l., same basis, lb. .08¾- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis...lb. .15¾- —
A/D, cs., c.l., same basis..lb. .13¾- —
A/B, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14¾- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¾- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis, lb. .07¼- —
seeds, cs., c.l., same basis, lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .10¼- —
Kauri, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight, c.l..lb .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12¼- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .16 - .17
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .35 - .36
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs.....lb. 2.55 - 2.60
3, cs.....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.05 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
Import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bls.....lb. .50 - .60
Henna leaves, bls.....lb. .13 - .14
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .08½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .08½- .10
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 31°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP. bots.....lb.32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald...lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Iron, glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .04½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .56
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., c.l., Rockies frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07¼- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jarborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .33 - .38
powd., bbls., bxs.....lb. .36 - .41
resin, lump, 100 lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .12 - .15

K

Kamala, tins.....lb. .35 - .38
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-46 w.w., tanks, gal. .0300- .06½
Gulf ports, p.w., bulk.....gal. .07¾- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04½
42-44 w.w., tanks.....gal. .04½- .04¾
Pennsylvania, 43 w.w., tanks, gal. .04¾- .05
46 w.w., tanks.....gal. .05 - .05¼
47 w.w., tanks.....gal. .05½- .05¾
Kerosene tankwagon:—
Atlanta.....gal. .10 - —
Boston.....gal. .08½- —
Chicago.....gal. .10 - —
Cincinnati.....gal. .12 - —
Denver.....gal. .10½- —
Louisville.....gal. .09 - —
Minneapolis.....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.75 - 6.00
Middlewestern, trcs...100 lbs. 6.00 - 6.10
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.10 - 6.20
Compound, trcs.....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .07 - .07½
Turkish, bls.....lb. .07 - .07½
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs., c.l.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic, sulphate, bbls., c.l., dlvd. E., dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Lead, iodide, NF V, powd., 5-lb. bots..lb. 2.66 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0765- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11¼- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10¼- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¼- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
2 or 3, dms., c.l., same basis, lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select, bdls., cs.....lb. .20 - .25
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

Lime—Manganese Resinate

Lime, hydrated, paper bags., f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Lime, spray, paper bags, f.o.b. Gibsonburg, Ohio.....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis. lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, ens.....lb. 2.10 - 3.30
Linalyl acetate, ens.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.24.00 -24.50
meal, 34%, bgs.....ton.31.00 - —
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Other points.....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Litharge, comm'l, powd., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼ - —
bbls., c.l. (20 tons).....lb. .05¼ - —
smaller lots.....lb. .05½ - —
ordinary, bgs., c.l. (20 tons)...lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16¼- .20½
Lovage root, dom., bls.....lb. .45 - .50
imports, bls.....lb. .45 - .60
Lupulin, N. E.. tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs.....lb. .30 - .32
Siauw, cs.....lb. .40 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼ - —
bbls. .....lb. .07½ - —
kgs. .....lb. .08¾ - —
l.c.l., bgs.....lb. .07¼ - —
bbls. .....lb. .08¼ - —
kgs. .....lb. .09¾ - —
Zone 2, c.l., bgs.....lb. .06¼ - —
bbls. .....lb. .07½ - —
kgs. .....lb. .08¾ - —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼ - —
kgs. .....lb. .09½ - —
U.S.P., Zone 1, c.l., bgs..lb. .08 - —
bbls. .....lb. .08¼ - —
kgs. .....lb. .09¾ - —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½ - —
kgs. .....lb. .10¾ - —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½ - —
kgs. .....lb. .09¾ - —
l.c.l., bgs.....lb. .08¾ - —
bbls. .....lb. .09¼ - —
kgs. .....lb. .10¾ - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments ,full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton.58.00 -62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .50 - .75
blue, bls.....lb. .50 - .75
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works.....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works....ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 5½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —

DRIERS THAT FIT YOUR FORMULAS

For each specific paint or varnish formula there are specific driers you prefer for reasons of efficiency and economy. Harshaw, with 48 years of research and manufacturing experience, can assist in selection and standardization of these driers that will give you the desired results . . . Harshaw experience embraces the production of all types of concentrated driers and metallic soaps — from metallic salts to the modern type naphthenates . . . Call on Harshaw for dependable, uniform, driers and for technical assistance in new formulations.

THE HARSHAW CHEMICAL CO.

Offices and Laboratories: Cleveland, Ohio
Quality products since 1892
New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco
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UVERSOLS
(NAPHTHENATE TYPE)
LINOLEATES
PASTES
OLEATES
SOYATES
RESINATES
STEARATES
LAURATES
SALTS

OIL, PAINT AND DRUG REPORTER

May 20, 1940

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U.S.I. ALCOHOL NEWS

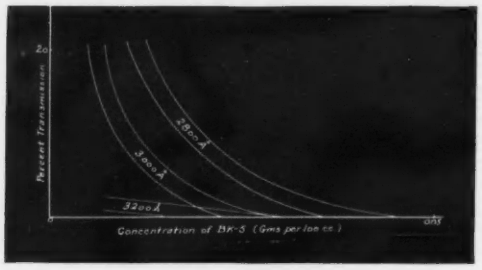
May ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1940

NEW CHEMICAL FOR SUNTAN LOTIONS

Suntan lotions with the sales-building features of good protection against sunburn and freedom from oil and grease can be formulated with the aid of U.S.I.'s new chemical light-screen.

U.S.I. Develops Light-Screen That Gives High Degree of Protection

Remarkable light-screening power in extremely low concentrations is promised by a new U.S.I. product, Butyl-Benzal-Acetone-Oxalate (BK-5). Incorporation of a fraction of a per cent in skin lotion formulas gives excellent sunburn protection and retains the physical characteristics of the skin lotion. Butyl-Benzal-Acetone-Oxalate offers excellent opportunities to formulate suntan lotions that are free from oil and grease, leave no objectionable deposit on the skin. Curve shows effect of this



Low concentrations have high screening power.

new chemical in very small concentrations. ¼ of 1% screens out all light up to 4,400 Angstrom units.

A straw-yellow solid, Butyl-Benzal-Acetone-Oxalate is adequately soluble in all the solvents commonly used in skin lotions.

PURE ALCOHOL FOR DRUGGISTS

Pharmacists get more accurate results in drug percolation by relying on the full strength, low acidity, and freedom from toxic impurities of U.S.I. Pure Alcohol. It complies with U.S.P. XI and N.F. VI standards. In addition, it receives further checks against U.S.I.'s own extremely rigid standards—developed through years of experience.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

Jasmine absolute can be replaced with a new substitute that gives a true reproduction, it is claimed. **(No. 330a)**

An orris-violet type of base can be used in extracts, toilet waters, powders, and soap compositions, according to the manufacturer **(No. 331a)**

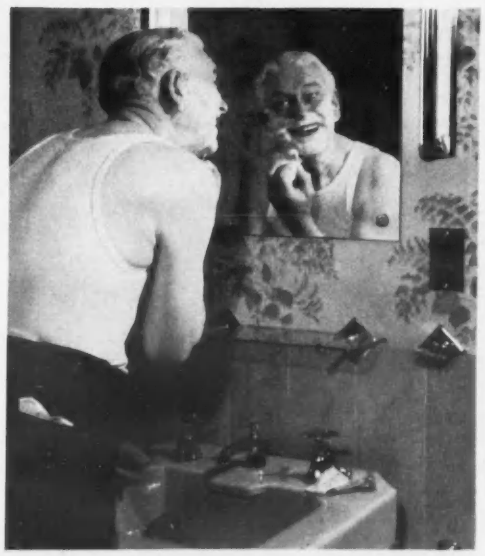
A new detergent is described as a water-soluble, oily liquid which contains no free fatty acids or soap **(No. 332a)**

A disinfectant base is said to be a mixture of methyl, ethyl, and isopropyl cresols. **(No. 333a)**

Label printing can be carried out directly on the surface of ampoules, vials, and small round bottles with the aid of a new machine, it is claimed. **(No. 334a)**

A capping machine automatically feeds, sterilizes, and applies metal caps on glass containers, with vacuum from 2 to 28 inches. Machine is available on annual rental basis. **(No. 335a)**

SHAVING SOAP HEALS CUTS



New shaving soap uses lipoid soluble substances from soy beans as styptic agent, according to recent patent. Active components of the beans are dissolved in ether and precipitated with acetone. (Ether and Acetone are produced by U.S.I.)

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK USI BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

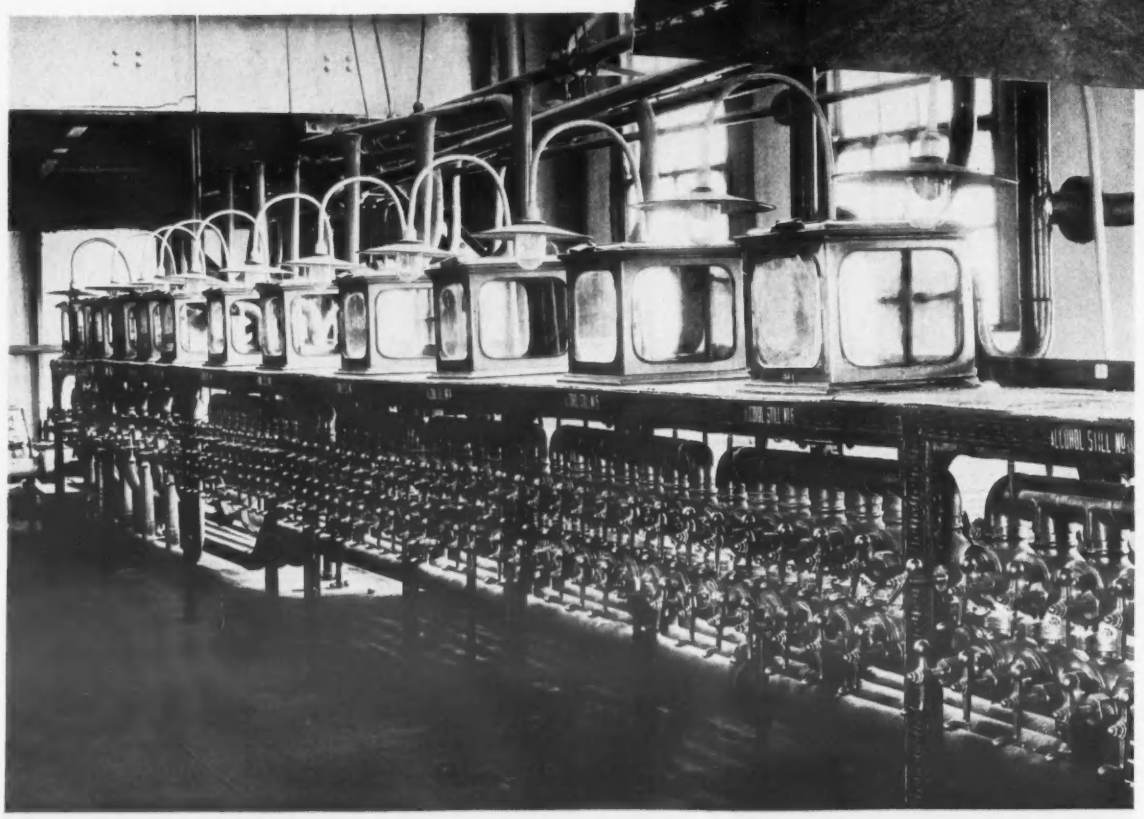
HOURLY CHECKING AGAINST RIGID STANDARDS INSURES UNIFORM QUALITY OF U. S. I. ALCOHOL

STRENGTH and purity of U.S.I. Ethyl Alcohol—essential qualities in the formulation of sales-building perfumes, cosmetics, lotions — are safeguarded by rigid periodical tests that insure maintenance of U.S.I.'s exacting standards.

Full strength—freedom from acidity, aldehydes, fusel oil, and other impurities—these characteristics of U.S.I. Alcohol are the outcome of a third of a century of experience in the production of alcohol —in the development of manufacturing and testing methods. Pioneer producer of industrial alcohol, U.S.I. is constantly developing the science of alcohol chemistry to bring you better quality at lower cost.

You can profit by U.S.I.'s experience and skill in the production of Pure and Specially Denatured Alcohol. Insure customer satisfaction in your products by using U.S.I. Alcohol in your formulations.

U. S. INDUSTRIAL CHEMICALS, INC.



(*Above*) In these huge stills at U.S.I.'s Baltimore plant, Ethyl Alcohol is distilled and redistilled by the continuous process to remove the final traces of impurities which might otherwise lower the quality of the alcohol.

(*Left*) Tail boxes check the specific gravity of the Pure Alcohol as it comes from the stills. These boxes, which are constantly checked and are under rigid Government supervision, enable U.S.I. chemists to keep a constant check of the alcohol purity, hour by hour, as it flows to the bonded tanks for the storage of Pure Alcohol.

Manganese, sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works....lb. .08¼- .08¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .80 - .86
small, cs.....lb. .65 - .70
Mannitol, com'l grade, 98% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .26½- .27
Tunisan, bls.....lb. .26 Nom.
Chilean, bls.....lb. .18 - .19
Matico leaves, bls.....lb. .28 - .30
Menthol, USP, natural, cs.....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
Yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib., dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. cans..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅜x5⅛ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Methanol, natural, producer group B, pure, tanks, frt. alld.
Zone 1.....gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1....gal. .38 - —
Zone 2.....gal. .45¼- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb. N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex, Ore., Utah, Wash.
Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39¼- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. ald...gal. .30 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —
2, frt. alld.....gal. .32 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l., only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11¼- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E.of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —
Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl, acetone, natural, producer group B, tanks, Zone 1.....gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .48 - —
Zone 4.....gal. .63½- —
Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.
Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .48 - —
l.c.l., E. of Rockies...gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - ..
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt., alld., E. of Rockies..lb.58 - —
Methylene blue, medcl., kegs, 100 lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22

Manganese Sul.—Milk Powder

Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l. works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02¼- —
500 lbs., works..lb. .03 - —
roofing, bgs, extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —

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We ask for offers from competitive MANUFACTURERS

FIRST CLASS BANK AND TRADE REFERENCES WILL BE FURNISHED

Milk Powder—Opium

Milk powder, unskimmed, roller, bbls., c.l...lb. .15½- —
l.c.l. ....lb. .16½- —
spray, bbls., c.l....lb. .16 - —
l.c.l. ....lb. .17 - —
Millet seed, yellow, bgs....lb. .02¾- .03¼
early fortune, bgs....lb. .02½- .03
hulled, bgs....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, fo.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works....lb. .53 - .55
tanks ....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works....lb. .51 - .53
tanks, works....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms....lb. .25 - —
tanks ....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs....oz.11.10 - —
cns., 25 oz....oz.10.90 - —
Acetate, bots., 5 ozs....oz. 9.00 - —
bots., 25 ozs....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs....oz. 8.75 - —
Sulphate, bots., 5 ozs....oz. 9.00 - —
cns, 25 ozs....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns....lb. .12 - .14
flowers, cns....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.16.00 -17.00
pods, caddies, 20 ozs....oz.12.50 -13.50
synth, ambrette, cns., 100 lbs., or more..lb. 2.65 - —
5 lbs. to 75 lbs....lb. 3.80 - —
1 lb....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs....lb. 3.95 - —
1 lb....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs....lb. 1.15 - —
1 lb....lb. 1.20 - —
Musk root, bls....lb. .40 - .45
Mustard seed, California, brown, bgs..lb. .09¼- .09½
Danish, yellow, bgs....lb. .17 - .17½
Dutch, yellow, bgs....lb. .15 - .16
English, yellow, bgs....lb. No stocks
Roumanian, yellow, bgs....lb. .11½- .12
Myrobalans, J1, bgs., f.a.s...ton.30.00 - —
J2, bgs., f.a.s....ton.26.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls....lb. No prices
powdered, 70%, bbls....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bbls., l.c.l., works..100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works....100 lbs. 2.75 Nom.
import, bgs., c.i.f....100 lbs. No Price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis..lb. .07¾- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns....lb. 1.25 - 1.35
Nickel carbonate, bbls....lb. .36 - .36½
Chloride, bbls....lb. .18 - .20
Cyanide, 100-lb. dms....lb. 1.40 - —
25-lb. bot....lb. 1.50 - —
Oxide, black, bbls....lb. .35 - .38
Salt, bbls....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works,frt. alld..lb. .70 - —
10-lb. tins....lb. .86½- —
Nitercake, bulk, works....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. ....lb. .09 - —
tanks ....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 50-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.50 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls....lb. .24 - .25
Nutgalls, Aleppo, bgs., cs....lb. .29 - .32
Chinese ....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs....lb. .21 - .22
110s, bgs., cs....lb. .19 - .20
West Indian, bgs....lb. .11¾- .12½
Nux vomica, bls....lb. .05 - .06
powd., bbls., bxs....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works....lb. .03¾- —
tanks ....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
lc.l., G.3....gal. .17 - —
tanks, G.3....gal. .16½- —
Octyl acetate, dms., c.l. works..lb. .16 - —
l.c.l., works....lb. .17 - —
tanks, works....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots....lb. 2.00 - 2.10
s.p.a., bots....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns....lb. .22 - .23
ref'd, cns....lb. .75 - .80
Amyris, cns....lb. 3.00 - 3.25
Angelica root, bots....lb.42.00 -45.00
seed, bots....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms....lb. .68 - .70
Apricot, kernels, cns....lb. .38 - .39
Babassu, tanks....lb. .06½- —
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns....lb. 1.20 - 1.25
Bergamot, artif., cns....lb. 1.25 - 1.30
natural, coppers....lb. 6.75 - 7.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms....lb. .25 - .26
rectified, cns....lb. .75 - .80
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms....lb. .60 - .67
USP, IX, cns....lb. .62 - .72
Calamus, cns....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .33 - .35
dms. ....lb. .30 - .32
white, cns....lb. .35 - .37
dms. ....lb. .33 - .35
Cananga, native, cns....lb. 1.60 - 1.65
rectified, cns....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns....lb. 4.25 Nom.
Cardamon, bots....lb.15.00 -16.00
Cassia, USP, cs., dms....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. ....lb. .15½- —
cold pressed, USP, bbls., c.l., lb. .13¼ Nom.
l.c.l. ....lb. .14 - —
cns. (1-gal), l.c.l....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. ....lb. .13¾- —
(5-gal.), l.c.l....lb. .15 - —
tanks ....lb. .12¼ Nom.
dehydrated, dms., c.l....lb. .1660- .1685
l.c.l. ....lb. .1710- .1750
tanks ....lb. .15½- .16
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l. ....lb. .13¼- —
dms. (returnable), c.l....lb. .12½ Nom.
l.c.l. ....lb. .13¼- —
tanks ....lb. .12¼ Nom.
sulphonated, 50% (43% fat), dms., c.l..lb. .087 - —
l.c.l. ....lb. .097 - —
75% (63% fat), dms., c.l..lb. .11¼- —
l.c.l. ....lb. .12¼- —
80% (68% fat), dms., c.l...lb. .11½- —
l.c.l. ....lb. .12½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs....lb. .80 - .85
dms. ....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms....lb. .19 - .22
Celery, bots....lb. 9.00 -10.00
Chaulmoogra, USP, cns....lb. .72½- —
Chinawood, dms....lb. .23½- .26½
tanks ....lb. .22½- .25½
Cinnamon, Ceylon, bots....lb. 9.25 -27.00
Seychelle, bots....lb. 7.25 - 8.00
Citronella, Ceylon, cns....lb. .42 - .43
dms. ....lb. .40 - .41
Java, cns., dms....lb. .37 - .38
Clove, makers, USP, cns....lb. 1.30 - 1.35
dms ....lb. 1.25 - 1.30
Coconut, Manila, crude, tanks, lb. .03½- —
edible, 76°, tax incl. dms. (returnable), c.l..lb. .07⅝- —
l.c.l. ....lb. .08⅛- —
tanks ....lb. .07 - —
Cod, Norwegian, shipt., bbls.gal. No prices
Codliver, med., USP, bbls..bbl.60.00 Nom.
Coriander, bots....lb.13.00 -15.00
Corn, crude, tanks, wks....lb. .06½- .06¼
refd., bbls....lb. .08¾- .09
Cottonseed, cooking, bbls....lb. .08¾- —
salad, bbls....lb. .09 - —
import, Brazilian, semi-refd., bulk..lb. No prices
Creosote (see C).
Croton, N.F., cns....lb. 2.50 - 2.75
Cubeb, USP, cns....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots....lb. 6.50 - 7.00
Cypress, dom., bots....lb. 5.25 - 5.50
import, cns....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk....bbl. 2.10 - 2.35
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots....lb. 3.60 - 4.00
weed, bots....lb. 4.00 - 5.00
Dip (see L).
Erigeron, cns....lb. 2.15 - 2.20
Eucalyptus, cns....lb. .69 - .72
dms. ....lb. .66 - .69
Fennel, sweet, cns....lb. 1.90 - 2.00
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday ....bbl. 1.50 - —
Tuesday ....bbl. 1.50 - —
Wednesday ....bbl. 1.50 - —
Thursday ....bbl. 1.50 - —
Friday ....bbl. 1.50 - —
Saturday ....bbl. 1.50 - —
North Texas, 18-22....bbl. .72½- .77⅛
24-28, zero cold test....bbl. 1.00 - 1.10
Oklahoma, 18-22....bbl. .72½- .77⅛
24-28, zero cold test....bbl. 1.00 - 1.05
24-28, 15 and above....bbl. .80 - .85
Pennsylvania, 36-40....gal. .03¾- .04
Furnace, Bayonne, 1, bulk, refinery..gal. .0590- .06¼
2, bulk, same basis....gal. .0540- .0560
4, bulk, same basis....gal. .0540- .0560
Oil, furnace, Louisiana-Arkansas, 32-36, light straw..gal. .03½- .03⅝
Oklahoma, 28-30....gal. .03 - —
32-36 ....gal. .03¾- .03½
36-38 ....gal. .03¾- .03⅝
38-40 zero, 60 e.p....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk....gal. .0540-.0560
Gulf Coast, bulk....gal. .03¼- —
North Texas, bulk....gal. .02¾- .02⅝
Oklahoma, bulk....gal. .02¾- .02⅝
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns....lb. 2.75 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns....lb. 1.55 - 1.60
Grapeseed, dms....lb. .40 - .45
Ginger, dist., bots....lb. 4.50 - 4.75
Gualac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imported, bots..gross. No prices
Hemlock, cns....lb. .65 - .70
Juniper berry, USP, cns....lb. 2.80 - 3.25
wood, tech., cns....lb. .45 - —
Juniper tar, USP XI, cns....lb. .55 - .65
Lard, common, 1, bbls....lb. .08 - —
2, bbls....lb. .07¾- —
extra, bbls....lb. .08¾- —
1, bbls....lb. .08¼- —
winter, strained, bbls....lb. .08½- —
prime, burning, bbls....lb. .09¼- —
prime, ined., bbls....lb. .08¾- —
Laurel, bots....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs....lb. 3.10 - 3.25
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns....lb. 3.50 - 4.50
35-38% ester, cns....lb. 3.00 - 3.05
30-32% ester, cns....lb. 2.75 - 2.80
garden, cns....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.20 - 1.85
dms. ....lb. 1.15 - 1.70
Lemon, Calif., cns....lb. 3.00 - —
Messina, coppers, cns....lb. 3.85 - 4.50
Terpeneless, Type 1....lb.10.50 -16.50
Type 2....lb. 8.35 -14.50
Lemongrass, native, cns., dms. lb. .85 - .90
Lime, dist., cns....lb. 3.75 - 4.25
expressed, cns....lb. 4.50 - 4.75
Terpeneless, Type 1....lb.70.00 -78.00
Type 2....lb.42.00 -46.50
Linaloe wood, cns....lb. 1.30 - 1.35
Linseed, raw, bbls., c.l....lb. .1040- .1060
l.c.l., 10 to 69....lb. .1080- .1100
5 to 9....lb. .1100- —
less than 5....lb. .1120- —
tanks ....lb. .0980- .1000
Boiled linseed oil .004 cents over raw.
Lovage, bots....lb.41.25 60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms....gal. .20 - —
140 vis., dms....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D. color 4, 0-10 pour, tanks..gal. .24 - —
15-25 pour, tanks..gal. .25 - —
150-160 D. color, 4½, 0-10 pour, tanks..gal. .23 - —
15-25 pour, tanks..gal. .23 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .24 - —
190-200 D, color 4½, 15-25 pour, tanks..gal. .20 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .10½- —
180 vis., 5 color, tanks.gal. .13 - —
4 color, tanks....gal. .13 - —
200 vis tanks.. gal. .14½- —
4 color tanks....gal. .14 - —
250 vis., 3 color, tanks.. gal. .15 - —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks.. gal. .16 - —
4 color, tanks....gal. .15½- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .32
25 pour, tanks..gal. .30 - .33
cylinder, 600 fire, tanks..gal. .17 - —
600 flash, tanks....gal. .21 - —
630 flash, tanks....gal. .23 - —
635 fire, tanks....gal. .19 - —
650 fire, tanks....gal. .20 - —
Warren, E, amber, tanks, gal. .23 - —
Warren, E, neutral, 150 vis., 3 color, tanks..gal. .25 - .27
180 vis., 3 color, tanks.gal. .27 - .29
200 vis., 2 color, tanks.gal. .27 - .32
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .26 - —
Penna., 630 flash, bbls., c.l., f.a.s..gal. .28 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - -
Mace, dist., cns., dms....lb. 2.25 - 2.30
Mandarin, superior, coppers..lb. 5.25 - 5.40
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms....lb. .0790- —
tanks ....lb. .0670- —
blown, dms....lb. .0810- —
kettle-bodied, dms....lb. .0910- —
light-pressed, dms....lb. .0730- —
tanks ....lb. .0670- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
dist., natural, bots....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .16¾- —
extra, bbls....lb. .08¼- —
1, bbls....lb. .08 - —
prime, bbls....lb. .08½- —
pure, bbls....lb. .12¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots....lb.100.00 -150.00
Nutmeg, USP, cns., dms....lb. 2.25 - 2.30
Oleo, 1, bbls....lb. .07½- —
2, bbls....lb. .07¼- —
Oiticica, dms....lb. .17 - .18
Olibanum, bots....lb. 5.00 - 5.25
Olive, denat., dms....gal. 1.15 Nom.
edible, dms....gal. 1.85 - 2.00
foots, dms....lb. .08⅜ Nom.
sulphonated, 50% (42% fat), dms., c.l..lb. .09½- —
l.c.l. ....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. ....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. ....lb. .137 - —
Orange, sweet, dist., cs....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns....lb. 1.60 - —
Florida, cns....lb. 1.15 - 1.20
Messina, USP, coppers....lb. 3.80 - 5.00
West Indies, cns....lb. 2.00 - 2.10
terpeneless ....lb.42.00 -50.00
Oil, origanum, cns....lb. 1.80 - —
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms....lb. .04½- —
shipment ....lb. .03¾- —
softs, 12½%, bulk, shipt....lb. .02½- —
Sumatra, shipt., bulk....lb. .02½- —
Palmarosa, cns....lb. 2.25 - 2.50
Palmkernel, bulk, shipt....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05¼- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns....lb. 6.00 - 6.75
Peanut, crude, dom., tanks..lb. .06¼- .06¾
refd., edible, bbls....lb. .09¼- .09¾
Pennyroyal, dom., cns....lb. 3.00 Nom
import, cns....lb. 2.25 - 2.50
Peppermint, natural, cns., dms., lb. 2.70 - 2.95
redist., USP, cns., dms....lb. 2.95 - 3.20
Perilla, dms....lb. No prices
tanks ....lb. No prices
Petitgrain, Paraguay, cns....lb. 1.55 - 1.60
Pimento berry, cns....lb. 4.35 - 7.25
leaf, cns....lb. 2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms....gal. .50 - —
tanks ....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts ....gal. .19¼- —
Whiting, Ind....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis....gal. .18 - —
Martinez, Cal....gal. .28 - —
Rapeseed, blown, bbls....lb. .17 - .17½
denat., bbls....gal. 1.05 - 1.10
Red, dist. or saponif., dms., dlvd..lb. .07½- .08½
tanks, dlvd....lb. .07 - —
Rose, artif., bots....oz. 2.00 - 2.25
natural, coppers....oz. 5.25 -22.50
Rosemary, Spanish, cns....lb. .67 - .68
dms. ....lb. .62 - .63
Rosin, 1st rectfd., dms....gal. .48 - —
2d rectfd., dms....gal. .50 - —
3d rectfd., dms....gal. .54 - —
Rue, bots....lb. 3.00 - 3.25
Sage, cns....4b. 2.00 - 2.00
Sandalwood, E. I., USP, cns..lb. 5.25 - 5.50
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, tanks, Pac. Cst., gal. .42 Nom.
refd., alkali, dms....lb. .0790- —
tanks ....lb. .0730- —
kettle-bodied, dms....lb. .0910- —
light-pressed, dms....lb. .0730- —
tanks ....lb. .0670- —
Sassafras, artif., cns....lb. .73 - .74
dms. ....lb. .70 - .71
natural, cns., dms....lb. 1.15 - 1.20
Savin, cns....lb. 2.20 - 2.25
Savory, cns....lb. 3.50 - 3.75
Sesame, refd., dom., dms....lb. .16 Nom.
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works....gal. .20 - —
tanks, works....gal. .14 - —
Snakeroot, Canada, cns....lb. 9.50 -10.00
Soybean, dom., crude, dms...lb. .06⅜- .07⅜
tanks ....lb. .05⅞- —
refd., dms....lb. .07⅝- .07¾
tanks ....lb. .0674- .07
Spearmint, dms....lb. 2.25 - 2.30
Sperm, bleach, 38°, dms....lb. .1080- —
45°, dms....lb. .1010- —
natural, dms....lb. .0960- —
Spruce, cns., dms....lb. .65 - .70
Sweet, birch, North, cns....lb. 2.25 - 2.65
South, cns....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works....ton.45.00 -50.00
tanks, works....ton.30.00 - —
distilled, dms., c.l., dlvd....lb. .05½- .07
l.c.l., dlvd....lb. .06½- .08¼
tanks, dlvd....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works....lb. .04½- —
tanks, works....lb .03¼- —
Tallow, acidless, bbls....lb. .08 - —
tanks ....lb. .07½- —
Tansy, cns....lb. 6.15 - 6.25
Tar, pine, com'l, dmc., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l....gal. .25 - —
l.c.l. ....gal. .27 - —
tanks, dlvd. E. cities...gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd., E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).
Thyme, NF, red, dms....lb. .80 - 1.75
white, dms....lb. .95 - 1.95
Tung (see Oil, chinawood).
Ti tree, cns....lb. 2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns....gal. 6.00 - —
Valerian, bots....lb. 8.00 - 9.00
Vetiver, bots....lb. 8.50 -15.00
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms..gal. .33 - .34
65-75 vis., dms....gal. .40 - .46
80-90 vis., dms....gal. .41 - .47
USP, 80-90 vis., dms....gal. .44½- .50
95-105 vis., dms....gal. .57 - .58
125-135 vis., dms....gal. .64½- .65¾
140-150 vis., dms....gal. .67 - .69
175-185 vis., dms....gal. .72½- .73½
200-210 vis., dms....gal. .74½- .75¾
320-330 vis., dms....gal. .76 - .81
335-345 vis., dms....gal. .81 - .83
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms....gal. No prices
175-185 vis., dms....gal. No prices
335-345 vis., dms....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns....lb. 4.50 - 4.55
Wormwood, cns....lb. 5.40 - 5.85
Ylang-ylang, Bourb., bots., cns., lb. 2.50 - 5.00
manila, bots....lb.18.00 -22.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis....ton. 7.00 - —
Spalls, same basis....ton. 5.00 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust....ton.12.00 - —
Opium USP, cns....lb.11.50 -12.50
gran., cns....lb.12.50 -13.50
powd., cns....lb.12.50 -13.50

Orange Lake, Persian, bbls....lb.	.39	- .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb.	.10¾	- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb.	.11¼	- —
Colo., Mont., N. M., Wyo..lb.	.11	- —
Other points.....lb.	.10½	- —
Smaller lots, divd., Ala., etc. lb.	.11¼	- —
Ariz., etc.....lb.	.11¾	- —
Colo., Mont., N. M., Colo., Mont., N. M., Wyo..lb.	.11½	- —
Other points.....lb.	.11	- —
French, Tours, casks, ex dock..lb.	.13½	- —
kgs., ex dock.....lb.	.14½	- —
Molybdate, bbls.....lb.	.31	- —
Toner, bbls.....lb.	.80	- —
Orangeflower petals, cs.....lb.	.50	- .65
Orange peel, bitter, bls.....lb.	.09	- .10
sweet, bls.....lb.	.11	- .11½
Orris root, Florentine, bgs.....lb.	.22	- .23
fingers, cs.....lb.	1.25	- 1.30
powd., bbls., bxs.....lb.	.25	- .26
Verona, bls.....lb.	.18	- .19
powd., bxs., cs.....lb.	.21	- .22
Orthoanisidin, bbls.....lb.	.70	- —
Orthochloroaniliin, dms.....lb.	.60	- .75
Orthochlorophenol, dms.....lb.	.32	- —
Orthocresol, dms., c.l., works.lb.	.16	- —
l.c.l., same basis.....lb.	.16¼	- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.06	- —
l.c.l., same basis.....lb.	.07	- —
100-lb. tins, same basis.lb.	.08	- —
50-lb. tins, same basis..lb.	.09	- —
tanks, same basis.....lb.	.05½	- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroaniliin, dms.....lb.	.55	- —
Orthonitrochlorobenzene, dms..lb.	.15	- .18
Orthonitroparachlorophenol, cns.lb.	.75	- —
Orthonitrotoluene, dms.....lb.	.09	- —
Orthophenetidin, dms.....lb.	.80	- —
Orthotoluidin, dms.....lb.	.19	- —
Osage orange extract, cryst., bbls., lb.	.21	- —
liquid, 42°, bbls.....lb.	.09	- —
51°, bbls.....lb.	.10	- —
Oxyquinolin sulphate, cns., 100-lbs., works..lb.	3.30	- —
bots., cns., 1-50 lbs.....lb.	3.65	- 4.00
Orthotoluene hydrochloride, dms.lb.	.22	- —
Sulphonate, kgs.....lb.	2.00	- 2.06

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Papain, powd., cs.....lb.	1.45	- 1.50
Paprika, Bulgarian, bgs.....lb.	.27	- .28
Hungarian, extra fancy, bgs.lb.	.35	- .36
medium, bgs.....lb.	.31½	- .32
Portuguese, extra fancy, bgs.lb.	.33	- .34
fancy, bgs.....lb.	.32	- .33
Spanish, extra fancy, cs.....lb.	.42	- .43
Parachlorophenol, dms.....lb.	.32	- —
Paracymene, refd., dms.....gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.lb.	.11	- .12
l.c.l.....lb.	.12½	- .15¼
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb.	.03	- —
bbls., c.l., N.Y.....lb.	.04¾	- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb.	.03	- .03¼
bbls., c.l., N.Y.....lb.	.04¾	- .0485
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb.	.04¾	- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb.	.0660	- —
loose, c.l.....lb.	.0625	- —
125 A.m.p., bgs., c.l.....lb.	.0675	- —
128-130 A.m.p., bgs., or loose, c.l..lb.	.0680	- —
131-133 A.m.p., bgs., or loose, c.l..lb.	.0705	- —
133-135 A.m.p., bgs., or loose, c.l..lb.	.0730	- —
135-137 A.m.p., bgs., or loose, c.l...lb.	.0755	- —
138-140 A.m.p., bgs., or loose, c.l..lb.	.0830	- —
143-145 A.m.p., bgs., or loose, c.l..lb.	.0925	- —
151-153 A.m.p., bgs. or loose, c.l..lb.	.70	Nom.
Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb.	.06¼	Nom.
semirfd., solid, 122-124 A.m.p., bgs..lb.	.06½	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb.	.34	- —
100 to 900 lbs. shipments, same basis..lb.	.35	- —
Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works.lb.	.10	- —
l.c.l., works.....lb.	.11¼	- —
5 and 10-gal. dms., works..lb.	.15	- —
USP, cs., cbys.....lb.	.37	- .45
Paranisidine, dms.....lb.	.75	- —
Paranitroanilin, kgs., works...lb.	.47	- —
Paranitrochlorobenzene, kgs....lb.	.15	- —
Paranitrophenol, kgs.....lb.	.35	- —
Paranitrotoluene, kgs.....lb.	.30	- —
Paraphenylenediamine, bbls....lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.lb.	.70	- —
Paratoluidin, bbls.....lb.	.48	- —
Pareira brava root, bls.....lb.	.20	- .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb.	.23	- .25
less car lot, same basis.lb.	.24	- .26
Passion flower, herb, bls.....lb.	.08	- .09
Patchouli leaves, bls.....lb.	.28	- .30
Pellitory root, bls.....lb.	.28	- .29
Pennyroyal leaves, bls.....lb.	.15	- .16
Pentanes norm., 28-38°, dms., c.l., G.3..gal.	.11½	- —
l.c.l., G.8.....gal.	.16	- —
tanks, G.3.....gal.	.08½	- —
laboratory grade, dms., c.l., G.3, gal.	.14	- —
l.c.l., G.3.....gal.	.25	- —
Pepper, black, Aleppey, bgs...lb.	.07½	- .07¾
Lampong, bgs.....lb.	.04¼	- .04½
Tellicherry, bgs.....lb.	.07¼	- .07½
Red, chillies, Japan, Hontaka.lb.	.16¾	- .17¼
Mombassa, bgs.....lb.	.26½	- .27
White, Java, Muntok, bgs....lb.	.07¾	- .08
Singapore, Muntok.....lb.	.06¾	- .07¼
Peppermint leaves, dom., bls..lb.	.35	- .40
import, bls.....lb.	.45	- .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb.	.08	- —
l.c.l., same basis.....lb.	.08½	- —
Zone 2, dms., c.l., works, frt. alld..lb.	.08½	- —
l.c.l., same basis.....lb.	.09	- —
Zone 3, dms., c.l., works, frt. alld..lb.	.09	- —
l.c.l., same basis.....lb.	.09½	- —

Orange Lake—Pet. Solvent

Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock points. lb.	.09	- —
l.c.l., same basis.....lb.	.09½	- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb.	.95	- 1.00
Petrolatum, amber, dms., c.l..lb.	.03¼	- —
l.c.l.....lb.	.04¼	- —
amber, extra, dms.....lb.	.03¾	- —
l.c.l.....lb.	.04¾	- —
veterinary, dms., c.l.....lb.	.03⅞	- —
white, cream, dms., c.l.....lb.	.04½	- —
l.c.l.....lb.	.06	- —
lily, dms., c.l.....lb.	.05½	- —
l.c.l.....lb.	.07	- —
snow, dms., c.l.....lb.	.06½	- —
l.c.l.....lb.	.08	- —
Petroleum, crude, bulk, at wells:—		
California.....bbl.	.60	- 1.75
Canada.....bbl.	2.10	- 2.17
Central West:—		
Illinois.....bbl.	.53	- 1.00
Lima.....bbl.	.90	- —
Michigan.....bbl.	.82	- 1.08
Princeton.....bbl.	1.05	- —
East Texas.....bbl.	1.10	- —
Gulf Coast.....bbl.	.74	- 1.41
Kentucky, Tennessee.....bbl.	1.02	- 1.10
Louisiana, Arkansas.....bbl.	.73	- 1.20
Mexico.....bbl.	No prices	
Midcontinent:—		
North Texas.....bbl.	.51	- 1.10
Oklahoma-Kansas.....bbl.	.58	- 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany....bbl.	2.75	- —
Corning.....bbl.	1.17	- —
Pennsylvania grade, in Buckeye lines..bbl.	1.70	- —
Eureka lines.....bbl.	2.34	- —
N. Y. Transit lines, bbl.	2.75	- —
S. W. Penn lines...bbl.	2.40	- —
lower district in National Transit lines.bbl.	2.63	- 2.75
Rocky Mountains.....bbl.	.51¼	- 1.30
South Central and Southwestern Texas..bbl.	.73	- 1.27
Texas Panhandle.....bbl.	.67	- .96
West Texas.....bbl.	.53	- .95
Ether, 30-60°, dms., c.l., G.3, gal.	.14½	- —
l.c.l., G.3.....gal.	.25½	- —
tanks, G.3.....gal.	.13½	- —
35-60°, dms., l.c.l., G.3....gal.	.30½	- —
40-75°, dms., c.l., G.3....gal.	.14½	- —
l.c.l., G.3.....gal.	.25½	- —
tanks, G.3.....gal.	.13½	- —
laboratory grade, dms., c.l., G.3..gal.	.14½	- —
c.l., G.3.....gal.	.25½	- —
10-gal. lots, G.3.....gal.	.50½	- —
Lacquer, diluent, at refinery:—		
California, 100 i.b.p., 200 e.p., tanks, divd. Los Angeles..gal.	.11	- —
San Francisco..gal.	.11½	- —
f.o.b. Richmond.....gal.	.11	- —
Willbridge, Ore., Ft. Wells, Wash..gal.	.12	- —
East Coast, tanks.....gal.	.09½	- .10
Group 3, toluol type, tanks, gal.	.07⅝	- —
benzol type, tanks.....gal.	.07⅞	- —
Naphtha, cleaners,' at refinery:—		
East Coast, tanks.....gal.	.09	- .10½
Group 3, tanks.....gal.	.06⅞	- .07
tankwagon, Boston, ex tax, gal.	.13½	- —
Bridgeport.....gal.	.13½	- —
Chicago, inc. 4c. tax..gal.	.18	- —
Decatur, inc. 4c. tax..gal.	.1910	- —
Des Moines, inc. 4c. tax, gal.	.1890	- —
Evansville, inc. ex tax.gal.	.13	- .16
tankwagon, Milwaukee, inc. 5c. tax..gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax..gal.	.20½	- —
Newark, ex tax.....gal.	.10½	- —
New York, ex tax.....gal.	.10½	- —
Omara, ex tax.....gal.	.1490	- .1590
Oklahoma City, ex tax.gal.	.16½	- —
Philadelphia, ex tax...gal.	.12	- —
St. Louis, inc. 1c. tax.gal.	.15½	- —
Syracuse, 150 gals.....gal.	.14½	- —
smaller lots, galv. drums, gal.	.10	- —
milk cans.....gal.	.21	- —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal.	.18	- —
2, over 90% arom., same basis..gal.	.19	- —
3, same basis.....gal.	.20	- —
8, tanks, f.o.b. Paulsboro, N. J..gal.	.15¼	- —
30, same basis.....gal.	.16¼	- —
40, same basis.....gal.	.16½	- —
v.m.&p., at refinery—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal.	.11	- —
Richmond.....gal.	.11½	- —
Willbridge, Ore., Pt. Wells, Wash..gal.	.12	- —
54-57, 190 i.b.p., 310 e.p., tanks, divd. Los Angeles, gal.	.10	- —
San Francisco.....gal.	.10½	- —
Portland, Seattle.....gal.	.11	- —
East Coast, tanks.....gal.	.09½	- —
Group 3, tanks.....gal.	.06⅞	- .07
tankwagon, Boston, ex tax. gal.	.14½	- —
Chicago, inc. 4c. tax...gal.	.17	- —
Des Moines, inc. 4c. tax.gal.	.1890	- —
Decatur, inc. 4c. tax..gal.	.1910	- —
Evansville, Ind., ex tax. gal.	.1520	- .1620
Milwaukee, inc. 5c. tax.gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax..gal.	.20	- —
Newark, ex tax.....gal.	.11½	- —
New York, ex tax.....gal.	.10½	- —
Omaha, ex tax.....gal.	.1490	- .1590
Philadelphia, ex tax...gal.	.13	- —
St. Louis, inc. 1c. tax.gal.	.1570	- —
Solvent, rubber, at refinery, East Coast, tanks..gal.	.09½	- —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal.	.06⅞	- .07
standard, 180 i.b.p., 288 e.p., tanks..gal.	.06¾	- .07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks.....gal.	.08¾	- .09¼
Group 3, tanks.....gal.	.06¾	- .06¾

AMERICAN

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U. S. P. AND TECHNICAL PETROLATUMS

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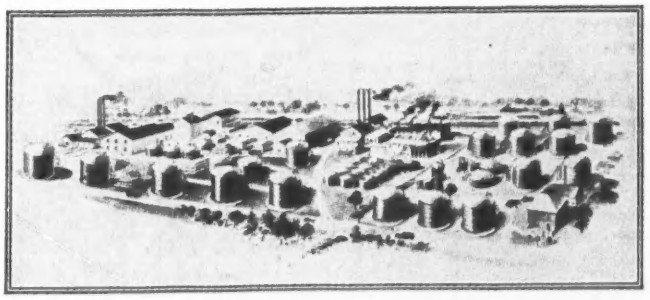


We invite your inquiries

PENNSYLVANIA OIL PRODUCTS REFINING COMPANY

WARREN PENNSYLVANIA

Petroleum Solv.—Saltpeter

Petroleum solvent, Stoddard, tank-wagon, Boston, ex tax..gal. .14 - —
Chicago, inc. 4c. tax...gal. .1840- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, nc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360- .14½
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax.gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½

Thinners, at refinery:—
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal. .08½- —
Portland .....gal. .09½- —
San Francisco.....gal. .09 - —
Seattle .....gal. .09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles..gal. .13 - —
Portland .....gal. .14 - —
San Francisco.....gal. .13 - —
Seattle .....gal. .14½- —
East Coast, 43-47, tanks..gal. .08¾- .09½
47-49, tanks.....gal. .10½- —
New Jersey, tanks.....gal. .09 - —
Group 3, tanks.....gal. .05⅞- —
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)...gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.)...gal. .09½- —
Omaha .....gal. .1360- .1400
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10¼- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots. lb. 4.00 - —
hydrochloride, CP., bots., works. lb. 4.60 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phlorogiucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.. long ton. 2.15 - —
land pebble, 72% min., bulk, mines..long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons. lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., B. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 4.25 - 4.30
Nitrate, bots., vis.....oz. 4.15 - 4.20
Pimento, bgs.....lb. .19 - .19½
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton 19.00 - —
l.c.l. .....ton 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs .....lb. .47 - .48
Poppy flowers, red, bls.....lb. .85 - .90
Seed, Dutch, bgs.....lb. No prices
Hungarian, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. No prices
kgs., 100 lbs.....lb. No prices
gran., bbls., 250 lbs.....lb. No prices
kgs., 100 lbs.....lb. No prices
works..lb. .08⅞- —
Bichromate, spot, c.l., 6 casks or 10 bbls., or over, works.lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05⅝- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .12
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP., gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 -1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .54
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.85
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms.....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 17.55 - —
Metabisulphite, kgs.....lb. .13 - .16
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .58½- —
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 26.75 - —
60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton. 32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., 90-95%, min. 90% bgs., ex-vessel, Atlantic or Gulf ports..ton. 36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 Nom.
Pumice stone, Italian, Amer.-grd., 4F. 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works...lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. 39.00 Nom.
l.c.l., 5-29 tons, ex whse.. ton. 44.00 Nom.
1,000-10,000 lbs., ex whse. ton. 46.00 Nom.
2 bgs., to 1,000 lbs., ex whse. ton. 48.00 Nom.
single bgs., ex whse..ton. 60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
Pyrethrum concentrate (30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless, gal. 10.65 -11.00
Flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f., Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton. 12.00 - —
No. 3,, 200 mesh, c.l., mines..ton. 7.50 - —
325 mesh, same basis....ton. 10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works. lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask. 185.00 -187.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 207.00 - —
ex store.....flask. 206.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 4c. per oz.; see note **under Quinine.**
Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .78 - —
Hydroiodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbonate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —
Quinine buyers must pay a surcharge of 4c. **per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.**
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note **under Quinine.**

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .10 - .10½
red, bgs.....lb. .12 - .12¼
Japanese, bgs.....lb. .08 - .08½
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .60 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
light shade, kgs., ton lots, same basis..lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
Red, cadmium, lithopone, medium shade, kgs., ton lots, same basis..lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works..lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Croeus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¾- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts.lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.. lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08¾- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .07⅞- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order .....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04⅞- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05⅝- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.76 - 2.81
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms... 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works..lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.50 -10.90
Rhubarb, bots.....lb. .60 - .65
powd., bbls., kgs.....lb. .65 - .70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .23¾- —
smaller lots.....lb. .24¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots.....lb. .23¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 2.75
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock 280 lbs. 5.05 - —
D, bbls.....280 lbs. 5.15 - —
E, bbls.....280 lbs. 5.50 - —
F, bbls.....280 lbs. 5.80 - —
G, bbls.....280 lbs. 5.80 - —
H, bbls.....280 lbs. 5.80 - —
I, bbls.....280 lbs. 5.80 - —
K, bbls.....280 lbs. 6.00 - —
M, bbls.....280 lbs. 6.30 - —
N, bbls.....280 lbs. 6.50 - —
W. G., bbls.....280 lbs. 6.75 - —
W. W., bbls.....280 lbs. 7.05 - —
X, bbls.....280 lbs. 7.35 - —
Rosin, wood, bbls.....280 lbs. 4.60 - 6.40
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 23.50 Nom.
l.c.l., f.o.b. mines.....ton. 37.50 Nom.
import, lump, bbls.....lb. .14 Nom.
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .29 - .30
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb. 27.00 -28.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. .26 - .27
garden, bls.....lb. .30 - .30½
Sago flower, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton. 13.20 -13.38
l.c.l., bgs., dlvd., N.Y..ton. 15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton. 15.70 - —
l.c.l., dlvd., N.Y.....ton. 16.60 -19.70
Saltcake, grd., dom., bbls., works. ton. 24.00 Nom.
bulk, works.....ton. 17.00 Nom.
import, bulk, c.i.f.....ton. 20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50

Saltpeter, gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.138.00 -145.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .14 - .15
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .18⅝- —
smaller lots.....lb. .19½- —
kegs, 5,000 lbs., 1 shipm't..lb. .19½- —
smaller lots.....lb. .19⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .14 - .15
siftings, bgs.....lb. .13 - .14
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .85 - .90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
rfd., bbls., f.o.b. N.Y....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .19½- —
Orange, D.C., VSO., Diamond I, cases..lb. .25½- .26
Superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- —
dlvd., Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17½- .18
T.N., bgs., f.o.b. Bost., N.Y.lb. .13½- —
dlvd., Chicago.....lb. .14 - .14½
Pacific Coast.....lb. .16½- .17
Varnish, Metro., area, orange, 5-lb. cut,, bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l.,works..ton.20.00 - —
wet-grnd., 96-98%, 325 mesh, l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vls.....oz. .26⅜- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .71 - .96
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —

Saltpeter—Soda Diacetate

Soda ash, dense, 58%, bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 3.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works...lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅝- —
smaller quantities.....lb. .08⅝- —
Citrate, 225 lb. bbls.....lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 40% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —

SOLVAY PRODUCTS

TRADE MARK REG. U. S. PAT. OFF.

SOLVAY POTASSIUM CARBONATE LIQUOR

TYPICALLY Solvay in its high standard of manufacture, Solvay Potassium Carbonate is a product that is made to meet the rigid requirements of many important industries.

SOLVAY LIQUID POTASSIUM CARBONATE, 47%—new, improved Solvay product that is clear, water-white solution ready to use. A superior product without sediment, it offers definite advantages to the textile and other industries.

SOLVAY CALCINED DUSTLESS POTASSIUM CARBONATE, 98-100% — made especially for the manufacture of glass. Combines all necessary chemical and physical properties for finest manufacturing results.

SOLVAY GRANULAR HYDRATED POTASSIUM CARBONATE, 83-85% — a product with a uniform crystal size that speeds solubility. Meets all manufacturing standards for purity and uniformity.

Write for a copy of the Solvay Products Book which contains information on this and other Solvay Products. Write to Dept. AG-5.

OTHER SOLVAY PRODUCTS: Soda Ash — Caustic Soda — Modified Sodas — Special Alkalies — Heavy Duty Cleansers — Nitrite of Soda — Liquid Chlorine — Calcium Chloride — Caustic Potash — Ammonium Chloride — Para-Dichlorobenzene — Ortho-Dichlorobenzene—Ammonium Bicarbonate.

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

BRANCH SALES OFFICES:

Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, Syracuse

STANDARD SINCE 1881

Soda Fluoride—Strychnine

Soda fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60

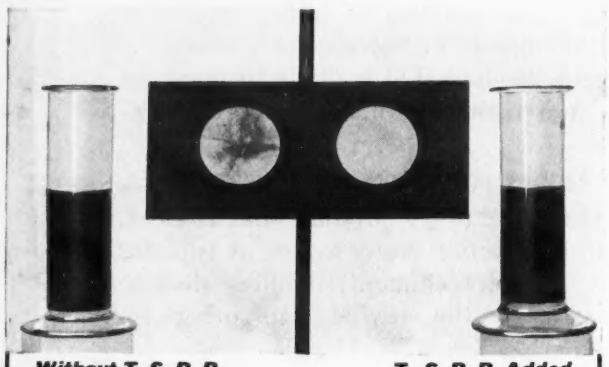
Soda, hyposulphite, pea, 2,500 to 5,000 lbs., bgs., works, 100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 2.47
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 2.10 - —
1-9 bbls., dlvd. N. Y....lb. 2.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —

Soda, nitrate, rfd., gran., bbls., 10 tons..100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 95-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11⅝
Soda nitrite l.c.l. price range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15½- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —

Soda phosphate, tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, lots. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import., bbls.....lb. .07¼- .07¾
Stannate, dms.....lb. No price
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over., dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
cryst., bgs., 100 lbs., works, lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, same basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- —
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .20 - .21
Spruce extract, reg., bbls., c.l., works..lb. .01⅝- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01⅞- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .17
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
Inedible, bls. .....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.70 - —
dlvd., N. Y.....100 lbs. 3.05 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.80 - —
dlvd., N. Y.....100 lbs. 3.15 - —
Potato, dom., bgs.....lb. .06 - .06½
import, bgs.....lb. .06½ Nom
Rice, bbls.....lb. .07½ Nom
Sweetpotato, bgs.....lb. .05½- .06
bbls. .....lb. .06 - .06½
Wheat, thick, boil, bgs.....lb. .05½ Nom
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .05¾ Nom
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07¼- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib. dms...lb. .57 - .58
kgs., 150 lbs..... .....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls. lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works. lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over...lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —

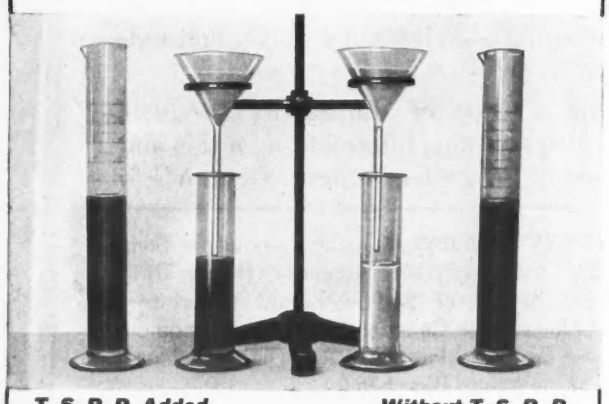
DU PONT Tetra Sodium Pyro Phosphate

Builds Better Cleaning Compounds



Without T. S. P. P. *T. S. P. P. Added*

This experiment illustrates the advantage of dispersing dirt with Tetra Sodium Pyro Phosphate. Each cylinder contained water plus the same amount of burnt umber (a standard material used for dirt tests). The cylinder on the right contained, in addition, 0.1% T. S. P. P. Equal amounts of these solutions are filtered through two identical discs of unsized cotton fabric and rinsed twice. Notice how the dirt dispersed by T. S. P. P. passed through the cloth on the right without soiling it . . . and how the cloth on the left was soiled by deposition of the undispersed dirt on the fibers.



T. S. P. P. Added *Without T. S. P. P.*

In this experiment the dirt (burnt umber) in the solution on the right was retained on the filter, leaving the filtered solution clear and the filter dirty. The dirt dispersed by T. S. P. P. in the solution on the left readily passed through an identical filter. The solution remains dirty and the filter clean.

● Detergent action involves not only the removal of dirt, but also the stabilization of the dirt in suspension in order to prevent its coagulation and redeposition on the article being cleaned. Outstanding among the characteristics of DU PONT Sodium Pyrophosphate as a detergent aid and soap builder is the ability to disperse particles of foreign material and to prevent their redeposition. This action is not confined to solid dirt particles but aids in dispersing grease, soil and salts precipitated through water softening.

Because of their porous structure, fabrics act as filters to remove solid particles from the washing and rinsing solutions. Due to the action of DU PONT T. S. P. P., the dispersed particles are so finely divided and uniformly suspended that they readily pass through the meshes of the fabric and are not retained to re-soil the cloth. DU PONT T. S. P. P. is also odorless, improves emulsification and sudsing. As a result, clothes wash whiter, rinse better and are cleaner.

Use DU PONT Tetra Sodium Pyro Phosphate for better soaps and cleaning compounds. Technical service is available to assist users of DU PONT T. S. P. P. in the composition of detergents.

DU PONT

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON, DELAWARE

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Strychnine, glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100 oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.80 - 2.70
extra fine, bgs., c.l., works. 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l.,works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- 10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton140.00 - —
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 mesh, c.l., mills..ton.15.00 -17.00
l.c.l. mills.....ton.17.00 -19.00
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l. ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .04⅞ Nom.
extra, loose.....lb. .04½- —
special, loose.....lb. .04⅝- —
sulphonated, 35% (24% fat), dms., c.l..lb. .04 - —
l.c.l. .....lb. .05 - —
50% (43% fat), dms., c.l., lb. .05½- —
l.c.l. .....lb. .06½- —
50% (48% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
Tamarind, No. 1, bbls.....lb 07 08
Kegs .....keg. 6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.75 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago...unit-ton. 3.25 & .10
high-grade feeding, bulk Chicago..unit-ton. 3.35 & .10
Tankage import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.p. ports, May shipt..unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .03 - .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .29 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchloroethylene).
Tetralin, dms.....lb. .13 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.25 - —
Sodiosalicylate, cns.....lb. 1.95 - —
dms. .....lb. 1.75 - 1.80
5-lb. bots.....lb. 2.11 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. No price
Crystals, bbls., kgs.....lb. No price
Metal, Straits.....lb. .52½- —
Oxide, bbls.....lb. No price
Tetrachloride, anhyd., bbls..lb. .25¾- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —

Strychnine—Titanium

Titanium, dioxide, chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd. lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —

About the 15th of May you'll find us in our new home at 330 West 42nd Street. There, on the *13th* floor, we have larger offices *and* laboratory facilities available to serve you directly from our New York Office. Come in and see us when you can . . . and remember—we will be better than ever prepared to supply your needs for perfume oils and aromatic chemicals.

GIVAUDAN-DELAWANNA, INC.

330 WEST 42ND STREET, NEW YORK, N. Y.

TELEPHONE: LAckawanna 4-6500

NOW WE'VE ADDED X *and* XHC TO TITANOX-C

X Stands for *Gloss* and

XHC Stands for *Higher Consistency* with Gloss

IN TITANOX-CX you have a decidedly improved TITANOX-C (titanium calcium pigment). Through its use a much higher gloss is obtainable than ever before from this type of pigment. It also mixes and grinds more easily, thereby reducing mechanical effort with consequent economy in manufacturing. Low oil absorption, and better leveling and flow are its additional good qualities.

TITANOX-C XHC represents the same advantages as TITANOX-CX in a higher consistency range.

These improvements in TITANOX-C have been accomplished by mechanical means in the process of manufacture rather than by surface treatment.

Add up the benefits of TITANOX-C – high hiding at low volume cost, easy wetting and dispersion, and gloss in finished films. The total is—exceptional value.

TITANIUM PIGMENT CORPORATION, *Sole Sales Agent*

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TITANOX TRADE MARK

TITANOX THE NEW WHEEL HORSE OF THE PAINT INDUSTRY REG. U.S. PAT. OFF.

Our Paint Service Department will be pleased to supply you with generous samples of TITANOX-CX and TITANOX-C XHC, and complete technical information.

Titanium, dioxide, barium or magnesium base, bgs., c.l., D. frt. alld..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse...lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E., dlvd.lb. .06 - —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.40 - 1.50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½ —
tanks, E. of Omaha, frt. alld., gal. .26½ —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½ —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks.....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l.....lb. .68 - .70
tanks.....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07 - .07¼
Madras, bgs.....lb. No stocks
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .33 - —
l.c.l., 10 ex dock.....gal. .35 - —
5 ex dock.....gal. .37 - —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 3.05 - —
yellow, kgs.....lb. 2.00 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.65.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
40% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton.101.00 - —
pure, cs.....lb. .12 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.50 - —
Urea, nitrogen, imported, 40% N., bgs..ton.56.25 - —
30% N., bgs.....ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .65 - .72
dom., bls.....lb. .40 - .45
Valonia, beards, bgs., f.a.s..ton.52.00 - —
Cups, bgs., shipt., f.a.s...ton.39.00 -41.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 6.00 - 6.50
Mexican, tins.....lb. 6.00 - 6.50
cuts, tins.....lb. 5.50 - 6.00
South American, tins.....lb. No prices
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb, tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .60 - .70
Verdigris, bbls., kgs.....lb. .22 - .33
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.34.00 -33.75
Extract, solid, bgs.....lb. .04¼- —
Wax, bayberry, import, bgs...lb. .22 - .23
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .35 - —
cakes, 1 to 500 lots.....lb. .36 - —
discs, 1 to 500 lots.....lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .24 - .24½
1 bg.....lb. .24½- .25
Brazil, bgs, 5-ton lots..lb. .24 - .24½
1 ton.....lb. .24½- .25
500 lbs.....lb. .25 - .25½
100 lbs.....lb. .25½- .26
refd., slabs, cs., lbs.....lb. .31 - .36
Candelilla, bgs., 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .60 - .60½
5 bgs.....lb. .60½- .61
1 bg.....lb. .61 - .61½
N. C., 2 bgs., 1 ton.....lb. .69 - .70
N. C., 3 bgs., 1 ton.....lb. .64 - .64½
5 bgs.....lb. .64½- .65
1 bg.....lb. .65 - .65½
fined, bgs.....lb. .70 - .71
yellow, No. 1, bgs., 1 ton...lb. .76 - .76½
5 bgs.....lb. .76½- .77
1 bg.....lb. .77 - .77½
No. 2, bgs.....lb. .75 - .76
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1 ton.....lb. .13½- .14
jobbings lots.....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l., dry-grd., blp., bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Paris white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bags, c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
8-20 tons, works.....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
90 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock....ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
5°, dms., returnable, works.gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
3°, dms., returnable, works.gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.85
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .56 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.....lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow, A, bbls., works...lb. .02¼- —
B, bbls., works.....lb. .02¼- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01¼- —
yellow, G, bbls., works...lb. .01¼- —
H, bbls., works.....lb. .01¾- —
French all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import. lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock.. San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse, Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (See O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, vials..oz. 2.85 - 4.60

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .2... - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., bbls., dlvd.....lb. .08¼- —
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).

Titanium—Zirconium

Zinc, oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd...lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
bgs., l.c.l., ex whse., Pac. cst.....lb. .06¼- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cts...lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
Leaded, 6%, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
35%, c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
10%, bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. Coast..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd.....lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd., lb. .06¼- .07¼
l.c.l., dlvd., except Pac. cst..lb. .06¾- .07¾
ex whse., Pac. cst..lb. .06¾- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst., lb. .06¾- .08
green seal, bgs., c.l., dlvd., lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
red seal, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .13½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
less than 1,000 lbs...lb. .26 - —
USP, bbls.....lb. .24 - .30
Sulphate, cryst., bgs., c.l.... 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb. .05½- —
Sulphocarbolate, NF, bbls....lb. .34 - .36
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works..lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 99%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

NOTE:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the May 1 issue; the next printing will be in the June 3 issue. Changes in prices — if any — made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 39.

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Research in Time of Need

In the face of wider and wider disruption abroad of civilization and all that attends it, the American chemical and related industries must sit tight and dig deep into the potentialities of research. They will more and more be called upon to supply the needs of domestic industry in general in order that the public may be adequately served. Small though it has been, the contribution of imports to national needs is important. Their replacement presents American industry with its biggest problem in years.

Research is no more needed for the providing of materials new to domestic production than it is for the balancing of related operations and processes with the purpose of properly dividing the proportions of the several materials produced. The currently unbalanced supply of toluene and benzene is a case in point. The growing need for crude naphthalene is another.

There should be nothing to daunt or long to puzzle chemical research in the problem of producing more toluene without acquiring an excess of benzene. Toluene is methylbenzene. Combining the methyl and benzene groups is not the most difficult of organic syntheses. Toluene is phenylmethane. The synthesis of phenol points the possibility of developing a practicable commercial method of properly adding methane. There is much of the latter compound in the natural gas that is allegedly a voluminous waste product of oilfield operations.

Somewhere in the vast multitude of reported achievements in organic syntheses there doubtless is the key to a more adequate supply of toluene. Many important organic chemical processes have been derived from academic investigation. The same is true with respect to data on potential sources of other needed chemicals and related products or satisfactory substitutes. Perhaps a slightly high cost has kept these processes out of industry. These are days in which such differences dwindle in importance. Necessity rules. Research is a sturdy provider for this "mother of invention." It must be put vigorously to work.

Pharmacopeial Revision

Two things are of imperative essentiality in the satisfactory effectuation of the particular public service which is the purpose of pharmacopeial revision. The first of these is that the work of revision be directed with full consideration of the purpose and performed with adequate ability and appropriate motive. The second is that there be all possible cooperation between the representatives of the medical profession and those of the pharmacal profession and related sciences and industry.

In returning to office its general chairman the U.S.P. committee of revision elected last week has recognized the value of accrued knowledge and has appreciated relevant ability which may not have been manifested to the satisfaction of all concerned but which is possessed by the incumbent. In the selection of the members of the revision committee the convention, however, did not apply the most equitable recognition of the value of the several essential divisions of the pharmacal group. There is a little too much of the teacher in the makeup of the committee, less than enough of the pharmacal practitioner, and not enough of the very important manufacturing division.

There is no questioning here of the ability of the committee members. But the balance of viewpoints is not what it should be in the pharmacal group, and the composition of that group is not what it might be for the best effectuation of cooperation with the medical profession. An ideal committee would be composed in good part of practitioners of medicine and practitioners of pharmacy, as these are in best position to know respectively what the public health requires and how it can practicably be provided. The rest of the committee should consist of scientific men qualified to determine proper standards and in good part possessed of manufacturing knowledge of their application.

With all the differences on details that were evident in the selection and the organization of the revision committee, it was plain that a single purpose was the motivating force. Cooperative pursuit of that high purpose can be expected, and a full measure of volunteer assistance of essential value.

—O-P-D—

Facilitating U.S.P. Work

Medicine and pharmacy have grown much in stature, as well as in accomplishments and achievements, since the corporate structure of the United States Pharmacopeial Convention was set up forty years ago. It was, then, to be expected that the size of the thirteenth decennial meeting last week would be something of a handicap to efficient functioning. The only surprise was that the proceedings went along as smoothly as they did.

But, the convention acted most wisely in creating a special committee for the purpose of studying its constitution and by-laws with a view of their improvement. These basic rules date from many decades ago and they have not been revised in keeping with the growth and change in the fields with which they have to do. It was wisdom also to provide that the new committee should report within two years; for, although a decade is a considerable period of time, it has become quite apparent that more frequent revision of the pharmacopeia is desirable and it cannot be denied that the getting together of interested parties in convention is of great value to the work of revision.

A smaller pharmacopeial convention more frequently in session and more intimately considerate and analytical of matters of policy and procedure in revision, will offer a distinct advantage. There is no reason why the representation of each eligible body should not be limited to one delegate. It may be expected that, if adequate publicity is continuously given to problems and progress of revision, differences of opinion would be removed from the period of the convention to an earlier date and could therefore be threshed out in the delegating body and the representative duly instructed in advance of his attendance. There would be nothing to prevent the unofficial attendance of additional representatives for the purpose of advising and counseling the delegate, and in these days of excellent means of communication, any delegate could easily keep in close touch with his constituents.

A smaller, more flexible policy-making body would be of much assistance to the more efficient, as well as the more expeditious, handling of pharmacopeial affairs. And a simplification, as well as a modernization, of the constitution and by-laws of the convention will lay the foundation for this necessary and desirable attainment.

—O-P-D—

Getting Public Acceptance

In order that business may be in position to assume in case of national emergency the leadership of which it is capable, it is being advised to cultivate public acceptance of its qualifications for the role. The advice is elementary. If however, there is behind it even a thought of the eventual utilization of emergency preparedness, it is incendiary and has no place in public utterance.

It is well to be prepared for emergencies, but it is never wise to allow such preparation to interfere with any possibility of continued normal functioning. Business would be unwise to give such consideration to being geared to emergency operations as would lead to any departure from its appropriate task and duty.

But, there is no question that business for the proper occupation of its leading position in the national life, would be wise in cultivating public appreciation and acceptance of its ability and its purpose. The disruption and distrust in the relations of the public to business, even though they are far less prevalent than some would have it believed, exist because business in too large degree has taken public acceptance for granted as the natural result of its presentations to the public. The truth is that only the presentations have been accepted—even the goods are forgotten when a more appealing presentation is made in behalf of something else.

The public takes business for granted—and unfortunately in substantial part as a necessary evil. Business has a big job in the cultivation of public acceptance; but this is by no means a wartime job; it is today's—not for defense, but for progress.

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Heavy Chemicals

Domestic Outlook Brighter—Tin Salt Prices Withdrawn—Cobalt Oxide Shipments Cut Off—Saltcake Imports Curtailed —Imported Soda Silicofluoride Scarce

The outlook for heavy chemicals appeared brighter last week. While current business held at moderate levels, the recent spread of hostilities in Europe was expected to stimulate domestic business in the near future. No rush buying, which characterized the outbreak of the war last Fall, was evident. Plans under way for national defense calling for large expenditures to finance materials and plants for the army and navy were expected to have their influence. Export inquiries showed some stimulation from countries formerly supplied by Europe, but shipments for the time being were held up by restricted shipping facilities.

Materials affected by the invasion of Belgium and Holland were not numerous. Cobalt oxide shipments will be cut off, however. Stocks are sufficient to take care of regular needs for the near future, when other arrangements will be made. Ammonia silicofluoride likewise will be affected, as will supplies of imported ammonia persulphate. The cessation of saltcake shipments from Belgium will further curtail imports to this country, which have declined rapidly in the past month, but domestic supplies are entirely adequate. Imports of soda silicofluoride will be lessened also, leaving Italy about the only other country in a position to ship here. Domestic supplies were restricted to regular accounts.

Seasonal items began to move in better volume. Copper sulphate was active and strong. Calcium chloride shipments for dust control work were in full swing. Ammonia anhydrous, carbon dioxide, calcium and lead arsenate experienced a broader movement.

Alums.—Price tone firm. Demand moderately active. Fair export inquiry.

Alumina Hydrate.—Shipments routine. No change in prices.

Alumina Sulphate.—Business steady. Quotations unchanged and firm. Good export inquiry.

Ammonia, Anhydrous.—Broader inquiry, with shipments following normal seasonal trend. Prices firm.

Ammonia, Aqua. — Replacements held close to production requirements. Prices ruled unchanged.

Ammonia Bicarbonate. — Dealings routine. Prices held firm.

Ammonia Bifluoride.—Firm price tone, with demand fair.

Ammonia Carbonate.—Usual consumers made necessary commitments only.

Ammonia Nitrate.—Satisfactory inquiry, shipments steady. Prices were firm.

Ammonia Perchlorate. — Modest quantities moved to regular channels. Prices unchanged.

Ammonia Persulphate. — Demand narrow. No change occurred in the prices.

Ammonia Silicofluoride.—Prices for imported nominal with future supplies from Holland an uncertainty.

Ammonia Sulphide.—Moderate demand. Prices without change.

Ammoniac, Sal.—Business only fair with replacements more conservative. Prices remain firm.

Antimony.—Small lots made up the call, with an occasional car lot reported. Domestic spot price unchanged.

Antimony Oxide.—Transactions routine. No new price developments.

Arsenic.—Fairly steady demand for white, shipments of red light. Prices well sustained.

Barium Carbonate.—The call was moderate for nearby needs. Prices without change.

Barium Chloride.—Shipments moved in fair quantities. No change in

Barium Dioxide.—Moderate inquiry. Price tone steady.

Bleaching Powder.—Demand lacked much broadening. Prices steady to firm.

Price Changes

Advanced

None

Reduced

Tin, Straits, 1c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.8	**150.8**	**150.8**	**146.6**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Calcium Acetate.—Market routine. Prices well maintained.

Calcium Carbide. — Business fair. Pricewise a firm tone prevailed.

Calcium Chloride.—Withdrawals for dust control in full swing, resellers making good replacements. Miscellaneous demand normal. Price position firm.

Carbon Bisulphide.—Moderate interest. Prices lacked any change.

Carbon Dioxide.—Shipments moved at a satisfactory pace in most directions.

Carbon Tetrachloride. — Consumers made necessary replacements as a rule.

Chlorine.—Withdrawals were irregular, but sufficient to keep the market in a satisfactory position.

Cobalt Oxide.—War developments had no immediate effect on market. Supplies of imported adequate for near future. Prices firm and unchanged.

Cobalt Sulphate.—Market position strong. Shipments confined to regular channels.

Copper.—Custom smelters and primary producers quoting 11½c. per pound. Outside market 11.45c. per pound and export 11¼c. f.a.s. N. Y.

Copper Carbonate.—Fair demand. Prices hold at same levels.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents, June 3-6, *Cincinnati.*
Manufacturing Chemists, June 6, *Skytop.*
Synthetic Organic C.M.A. outing, June 6-7, *Skytop.*
Insecticides and Disinfectants, June 17-19, *Lake Wawasee.*
DCAT outing, Oct. 18-19, *Skytop.*

Copper Chloride.—Dealings narrow. Prices without change.

Copper Oxide.—Withdrawals moderately active. Quotations firm.

Copper Sulphate. — Market very strong, shipments for domestic and export continue at a high level. Prices unchanged.

Copperas.—Market position tight. Shipments routine, and prices firm.

Feldspar. — New business light. Prices without alteration.

Fluorspar.—Moderate inquiry. No change developed in the quotations.

Glauber's Salt. — Business spotty. Pricewise a steady to firm tone predominated.

Lead Acetate. — Market routine. Quotations without change.

Lead Nitrate. — Consumers made necessary replacements. Prices rule unchanged.

Lime. — Shipments irregular, but seasonal movement underway for agricultural purposes. Prices unchanged. AAA announced farmers participating in the 1940 Agricultural Conservation Program have received 1,099,694 tons of lime.

Magnesite.—Inquiries remain satisfactory. No change reported in the prices.

Manganese Dioxide. — Shipments routine against contracts. Firm price tone.

Nickel Salts. — Shipments spotty. Prices unchanged and firm.

Phosphorus.—Business confined to regular channels. Quotations well maintained.

Potash Carbonate.—Demand steady against contracts. Price tone firm.

Potash, Caustic.—Business moderately active. Prices continued firm.

Potash Chlorate.—Market position firm. Demand fairly steady to regular channels.

Potash Cyanide.—Usual consumers made fair size replacements.

Potash Permanganate. — Transactions steady for moderate quantities. Prices well maintained.

Salt.—New business lacked expansion. No change developed in the quotations.

Saltcake. — Prices nominal. Shipments of imported curtailed. Demand steady.

Saltpeter. — Shipments moved in most directions at a moderate pace. Prices ruled firm.

Soda Acetate. — Market underwent no price changes. Dealings routine.

Soda Ash.—Buying held at moderate levels. Satisfactory export inquiry. Prices without change.

Soda Bicarbonate.—Interest steady. Pricewise no new developments occurred.

Soda Bifluoride.—No new developments took place; prices the same.

Soda Bisulphite. — Fair demand. Quotations unchanged and firm.

Soda, Caustic.—Replacements made in moderate quantities as a rule. Good export inquiry. Prices unchanged.

Soda Chlorate.—Better seasonal inquiry for weed-killing purposes. Prices remain firm.

Soda Cyanide. — Demand steady. Prices unchanged and firm.

Soda Fluoride. — Firm price tone, with interest routine.

Soda Hydrosulphite. — Shipments steady to regular channels. Prices without change.

Soda Metasilicate. — Moderate demand. No change disclosed in the quotations.

Soda Nitrite.—Market position holds firm. Business fairly steady.

Soda Phosphate. — Dealings moderate. Nothing new took place in the prices.

Soda Silicate.—Most consumers took fair size quantities against contracts to keep market in firm position.

Soda Silicofluoride. — Offering of imported limited, with spot stocks small and future supplies an uncertainty. Domestic business confined to regular channels. Prices very firm.

Soda Stannate.—As announced late the preceding period ,prices were withdrawn in view of the wide fluctuations in the basic metal price.

Soda Sulphide.—Shipments routine. No change in the prices.

Soda Sulphite.—Prices firm. Demand moderately active.

Sulphur, Refined.—Some improvement from agricultural sources. Commercial demand fair. Prices firm.

Tin Salts.—Straits metal was active and prices were slightly easier at 52½c. per pound later in the week, after reaching a high of 61½c. per pound. Anhydrous tetrachloride of tin declined ¼c. to 25¾c. per pound. No quotations were available for other tin derivatives.

Uranium Oxide.—Market strong. Shipments steady to usual channels.

Zinc Chloride. — Fair replacement buying reported. Prices rule firm.

Zinc Sulphate.—Moderate interest. No change occurred in the prices.

Acids

Business in the market for mineral acids remained at routine levels last week. Consumers were cautious in making forward commitments, and usually confined shipments to necessary quantities against contracts. The situation abroad had no immediate effect on business, with most consumers content to mark time to await further developments. Export inquiries for certain acids remained active. Prices lacked any changes, and the tone was firm.

Abietic. — Transactions narrow. Prices unchanged.

Acetic.—Moderate demand. Price tone steady to firm.

Battery. — Shipments routine. No change in the quotations.

Chromic. — Commitments steady. Firm price tone.

Formic.—Fair interest. Good export inquiry. Prices rule firm.

—Continued on page 31

Chain-Store Tax Bill Hearings Completed

OPD Washington Bureau
May 16, 1940

The end of seven weeks of hearings on the Patman chain-store tax bill (H. R. 1) came today, with the final week featured by opposition of the oil industry to inclusion of filling stations in the bill; denunciation of the bill by the Chamber of Commerce of the United States, and rebuttals by Rep. Wright Patman, of Texas, the bill's sponsor, and the chain stores.

The bill is conceded little chance of serious consideration this session.

Resins Offered for Paints Using Other Than Tung Oil

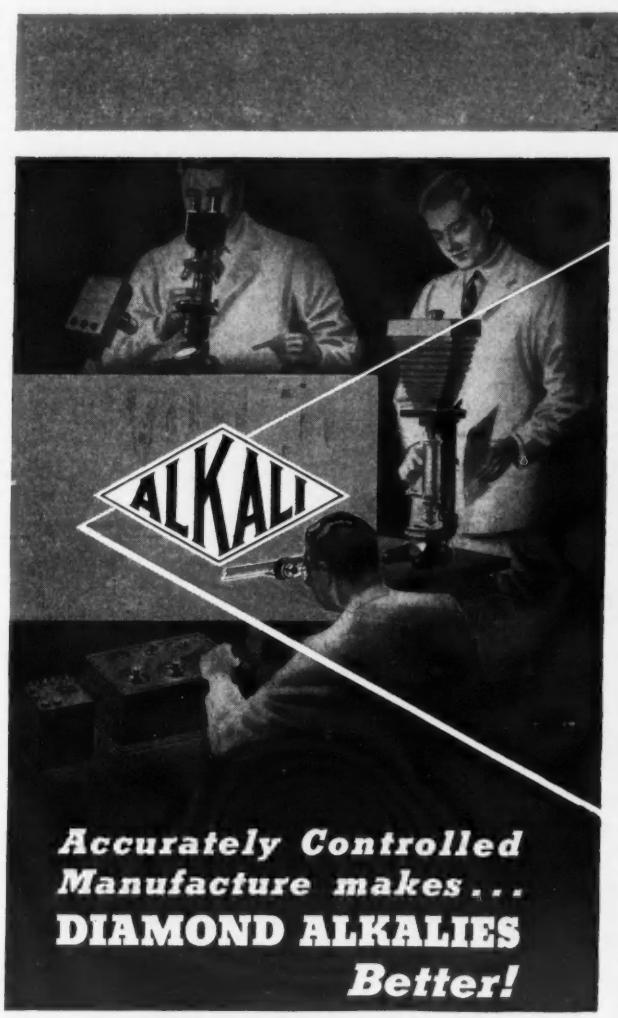
Three new synthetic resins, "Arochem 260, 400, and 520," have been developed by the Stroock & Wittenberg Corporation for use in paint and enamel formulations employing other than chinawood oil. It is pointed out that for best performance, linseed, fish, and dehydrated castor oils require synthetics different from the conventional types of pure and modified phenolics. The new resins fill such a need. Samples and technical information concerning the new resins are available from the Stroock & Wittenberg Corporation, 60 East Forty-second street, New York, mentioning the REPORTER.

Hercules Powder Promotes Two in Naval Stores Dep't

Hercules Powder Company, Wilmington, has appointed R. T. Yates manager of domestic sales of the naval stores department. D. M. Houston has been appointed manager of naval stores export sales. They will make their headquarters in Wilmington.

Mr. Yates joined Hercules in 1929 as a member of the experiment station staff at Kenvil, N. J., and came to Wilmington in 1930 as a member of the naval stores department sales force. Mr. Houston became associated with Hercules experiment station at Kenvil, N. J., in 1924. He was appointed to the staff at the Union plant at Parlin, N. J., in 1925, and in 1928 came to Wilmington as a member of the cellulose products department, and joined the naval stores department in 1934.

Chemicals and allied products imported in Nicaragua were valued at $500,000 in 1939, of which the United States supplied $350,000.



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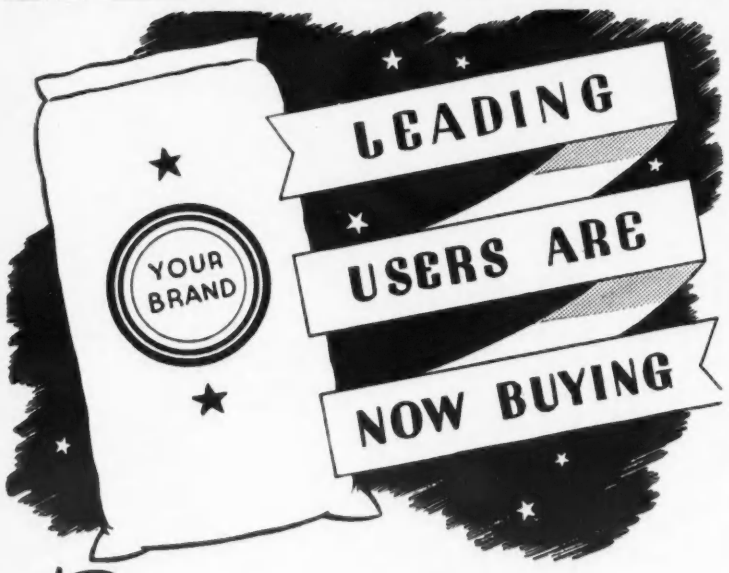

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Heavy Chemicals

Acids

—*Continued from page* 30

Gallic.—Market position strong. Demand light.

Hydrofluoric.—Prices firm. Business moderately active.

Lactic.—Withdrawals irregular. No new price developments.

Muriatic. — Shipments moderately active. Firm price tone.

Naphthenic.—Market firm, and shipments steady to regular channels.

Nitric.—Prices firm and withdrawals steady.

Oxalic.—Offerings confined to regular consumers. Prices firm.

Phosphoric.—Dealings conservative. No change in the quotations.

Sulphuric.—Consumers made necessary replacements against contracts. Prices were unchanged and tone of the market held firm. March productions based on data reported by 55 fertilizer manufacturers totaled 196,290 tons, against 212,719 tons in February and 169,952 tons in March a year ago. For first three months output aggregated 644,032 tons, compared with 521,107 tons in like period a year ago.

Tannic.—Prices hold firm and demand was routine.

Baltimore, May 15.—The situation as to sulphuric acid is in status quo, with the buying still very backward, and with the sellers adhering to contract quotations on the old business. Prices $12 per ton for 60 degree and $15 per ton for 66 degree acid mentioned as the nominal quotations. Oleum unchanged at $17 per ton for 20 percent material.

Insecticides

Demand showed some slight improvement in the market for agricultural insecticides and fungicides last week. Inquiries reached the market in better volume than recent weeks, and weather conditions in most sections were somewhat more favorable. Export interest continued satisfactory. Prices underwent no new changes, and the tone of the market was steady to firm.

Bordeaux Mixture.—Fair demand. Prices unchanged and firm.

Calcium Arsenate.—Inquiries reached the market in better volume, and shipments displayed moderate improvement. Prices without change. March exports 78,050 pounds, valued at $3,617.

Lead Arsenate.—Business slightly improved. Prices unaltered. March exports 296,931 pounds, valued at $27,158.

Nicotine Sulphate.—Moderate quantities made up the call. Prices the same. March exports 67,682 pounds, valued at $42,898.

Paris Green.—Shipments were not heavy, but underwent modest improvement. Prices rule firm.

Soda Arsenite.—No change in the prices. Demand fairly steady.

Chew Enlarges Office

John A. Chew, chemical merchant, has enlarged his quarters at his present address, 60 East Forty-second street, this city. This marks the fourth expansion in office space since Mr. Chew entered business on his own account, seven years ago. Mr. Chew has been prominently identified with the sale of chemicals for thirty-eight years.

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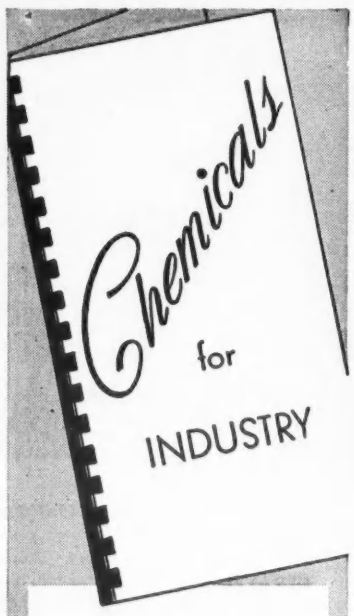

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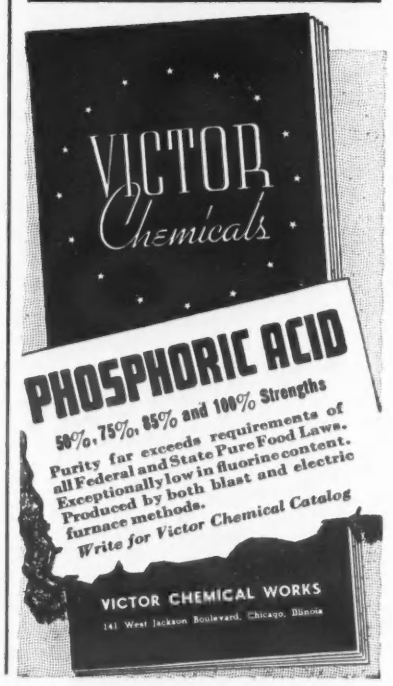
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Chemical Engineers Hear Research Reports

—*Continued from page* 3

trochemistry" by R. B. MacMullin of the Mathieson Alkali Works. The bulk of this industry is engaged in the electrolysis of salt and the making of ferro alloys, carbide and artificial abrasives, but an almost infinite number of other products is included, many being derivatives of the products mentioned, he explained.

Mr. MacMullen said six plants in the Niagara area produce 400 tons of chlorine daily, the largest output for any area in the United States. In a paper on the deposited diaphragm cell, R. L. Murray of the Hooker Electrochemical Company, predicted that more chlorine will be produced by such cells than by any other diaphragm-type cell.

Circulation of molten salt through steel coils, as hot water circulates through the radiator in your home, was described in a paper by W. E. Kirst, W. M. Nagle and J. B. Castner, of E. I. duPont de Nemours & Co.

The method is expected to open up new possibilities in industrial processes requiring high temperatures but where direct heating with an open flame is either dangerous or impracticable. It is finding its first application in the new Houdry process for petroleum cracking. Approximately 1,000,000 pounds of salt are in continual circulation through the heating coils of each cracking unit.

Salt as Transfer Agent

Molten salt will serve as a carrier of heat up to 1,100 degrees Fahrenheit, the temperature at which steel becomes a dull red, it was stated in the paper. Steam, the most common fluid heat carrier, has an upper temperature limit of only 460 degrees Fahrenheit, and that under high pressure. Oil has an upper limit of 550 degrees Fahrenheit, and other fluid carriers are available with limits up to 700 degrees Fahrenheit. Mercury has been used as a high temperature heat carrier, but high cost and the danger in case of leaks have limited its applications.

A step closer to economic feasibility of alcohol-blended motor fuels was indicated by an announcement at the meeting of a new cheaper method for manufacture of absolute alcohol. The new process, which is based on the principle of separating water from alcohol by addition of a third liquid—in this case ethyl ether—which lowers the boiling point of water and allows it to be distilled out of the alcohol, was developed jointly by T. O. Wentworth, of the Vulcan Iron & Supply Co., Cincinnati, and Dr. D. F. Othmer, professor of chemical engineering at the Polytechnic Institute of Brooklyn.

Alcohol for use as a blending ingredient in motor fuels and for certain scientific and industrial uses must be absolutely free of all water and hence is called "absolute" alcohol in contrast to ordinary industrial alcohol which contains a small amount of water. The fact that the conventional method of removing this last bit of water entails a loss of considerable alcohol has always made absolute alcohol relatively expensive. The new method, according to Dr. Othmer, will eliminate virtually all loss of alcohol. Also it will require less elaborate equipment and less steam for distillation.

In a paper on "The Extraction of Alumina from Kaolin and Other Silicates," by Karl Kammermeyer, of Drexel Institute, Philadelphia, and A. H. White, of University of Michigan, it was reported that the work of Cowles and others has shown that Al_2O_3 may be extracted from clay and similar raw materials by furnacing the aluminous material after mixing with limestone and soda ash, and leaching the furnaced product with water.

This paper presented a study of the effect of variation in composition of the furnace charge and of variation in temperature of burning in a small rotary kiln. It was found possible to extract 85 to 90 percent of the alumina from a kaolin containing 39.4 percent of Al_2O_3. The recovered alumina compared favorably in purity with that used at present in the aluminum industry. Somewhat less favorable results were obtained with a fire clay containing 27.5 percent Al_2O_3, and a coal ash containing 13.9 percent Al_2O_3.

Commercial possibilities of the process are considered to be dependent on the advantageous utilization of the insoluble residue remaining after the leaching operation. The use of this residue in the manufacture of Portland cement would seem to offer the greatest possibilities of successful operation, the paper reported.

Equipment Reviewed

"The Development of Ceramic Ware for the Chemical Industry" was discussed by P. C. Kingsbury, of the General Ceramics Company, New York. He reviewed the various types of ceramic ware that are employed as chemical equipment, chemical stoneware, chemical porcelain and chemical enameled ware being the more important, and pointed out their relative advantages and limitations. He discussed the various improvements that have taken place in ceramic ware, with particular reference to chemical stoneware.

In a paper on "New Trends in Boiler Feed Water Treatment," Frederick G. Straub, University of Illinois, discussed the later developments in cold process softeners and the organolites. Consideration was given to the latest methods used for prevention of silica scale, as well as the so-called "threshold treatment" for stopping scale in condensers and heat exchangers. The newer types of steam purifiers were described. There was also a discussion on corrosion in the "steam blanketed" areas of the boilers.

In a discussion on "Aluminum Chemical Equipment," Francis C. Frary, of the Aluminum Company of America, stated that because of the relatively low tensile and yield strengths of pure aluminum as compared with steel, the alloys containing small amounts of manganese or magnesium are generally preferred for the construction of chemical equipment. He described various items of such equipment, presenting unusual structural features. Corrosion by unsuitable cooling waters may in some cases be prevented by the use of zinc plates, located in the water space and electrically connected to the aluminum walls, Mr. Frary said.

Walter L. Badger, manager of the consulting engineering division of the Dow Chemical Company, Ann Arbor, Mich., was named the winner of the William H. Walker Award. In presenting the 1940 medal, Dr. Webster N. Jones, president of the institute, stated that the award is made annually for an outstanding contribution to chemical engineering literature published in the institute's *Transactions* by a member during a three-year period prior to the award.

Howard Campbell, a senior in chemical engineering at McGill University, was declared the winner of the A. McLaren White Award, the highest student prize granted by the institute.

Chemicals and allied products imported into Guatemala in 1939 were valued at $1,444,000. United States furnished 87 percent of the total.

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Cook Heads Revision Committee

—*Continued from page 5*

allowance may be made for unavoidable innocuous impurities. Official preparations are to be made only from drugs that conform to the pharmacopeial standards, definitions, and descriptions. Vegetable drugs are to be as free as practicable from insects or other animal life, animal material, or animal excreta. They are to be free from moldiness and shall show no discoloration, abnormal odor, sliminess, or deterioration due to any cause.

It is recommended that potent remedies be made to conform to the standards of the International Commission of Pharmacopeial Experts in so far as it is deemed advisable by the committee of revision.

General Formulas and Methods

It is recommended that general formulas for the manufacture of pharmaceutical preparations and general methods for the examination of drugs and tests for chemicals and preparations be given when practicable, and that the application of these formulas and methods be indicated by reference in the respective monographs.

Indicating Official Preparations

It is recommended that there shall be included in the monograph of each substance the title or titles of the official preparation or preparations in which it is an essential therapeutic ingredient.

Alcoholic Percentages

It is recommended that the permissible range for the content of absolute alcohol, by volume, be included in the monograph of each preparation containing significant quantities of alcohol.

Assay Processes

It is recommended that assay processes shall be included for as many of the drugs and preparations made therefrom as may be found practicable, and which lead to fairly uniform results when applied by different analysts; wherever feasible, tests for identity and purity are to be given for the products of such assays.

Reference Standards

It is recommended that the policy of establishing and distributing reference standards be approved and continued.

Weights and Measures

It is recommended that the committee of revision be instructed to retain the metric system of weights and measures.

Atomic Weights

It is recommended that the atomic weights adopted in the revision shall be in accordance with the latest available report of the International Committee on Chemical Elements.

Physical Constants

It is recommended that official methods for determining physical constants shall be stated in the pharmacopeia, and these shall apply to all articles in which physical constants are officially used, unless specifically expected.

Standard Temperature

It is recommended that the standard temperature of 25° C. (77° F.) be retained (except for alcohol or other special cases).

Alcoholometric Tables

It is recommended that an alcoholometric table be inserted giving the percentages of alcohol at different temperatures.

Pharmacognostic Descriptions

It is recommended that the descriptions of crude drugs shall include brief, pharmacognostic descriptions, both macroscopic and microscopic where practicable; and, as a means of detecting adulteration, there shall be added a statement of the appearance of the distinctive structural elements in the powder, when examined microscopically.

Powdered Drugs

It is recommended that powdered drugs be required to represent the entire drug unless specifically stated otherwise.

Solubilities

It is recommended that pharmaceutically useful solubilities be given as completely as practicable.

Sterilization

It is recommended that a chapter on sterilization be retained.

Publicity

It is recommended that the committee of revision make public, for comment and criticism, important changes in preparations and standards proposed, before adoption.

Formulation of Rules

In all matters not especially provided for by the convention, the committee of revision is empowered to formulate such rules as it considers necessary.

Date of Becoming Official

It is recommended that the board of trustees, after consultation with the committee of revision, announce a definite date, reasonably distant from the actual date of publication, when each pharmacopeia is to become official, and it is recommended that this date be printed on the title page of the new pharmacopeia.

Spanish Edition

It is recommended that each revision of the United States Pharmacopeia be translated into the Spanish language and published.

Interim Revisions

It is recommended that the committee of revision be authorized to prepare interim revisions providing for admissions to or changes in the pharmacopeia and to issue the same separately as "Interim Announcements" or collectively as "Supplements." It is recommended that the board of trustees, after consultation with the committee of revision, shall announce a definite date, reasonably distant from the actual date of publication, when the interim revision is to become official, and it is recommended that this date be printed upon each announcement or supplement.

Where the words, "Pharmacopeia" or "United States Pharmacopeia," appear in these General Principles or elsewhere in this book, they refer to the Pharmacopeia of the United States of America.

Dr. Robert P. Fischelis offered a statement of policies and proposals in which he advocated among other things that the pharmacopeial conventions be held every five years instead of decennially; that revisions of the pharmacopeia be published every three years; that annual supplements be issued; that authentic therapeutic information on U.S.P. drugs be included in the pharmacopeia, together with data on preservation, packaging, storing, and time limits of activity; that formulas for standardized dosage forms be included; that full cooperation of physicians and pharmacists be developed for the providing of best possible standards; that proposed changes be given greater publicity; that practicing pharmacists be given a larger part in revision work; and that greater continuity in this work be effected.

This proposal was regarded by the board of trustees as of too great moment to be disposed of at the time and it was left with the board for further consideration.

President's Views

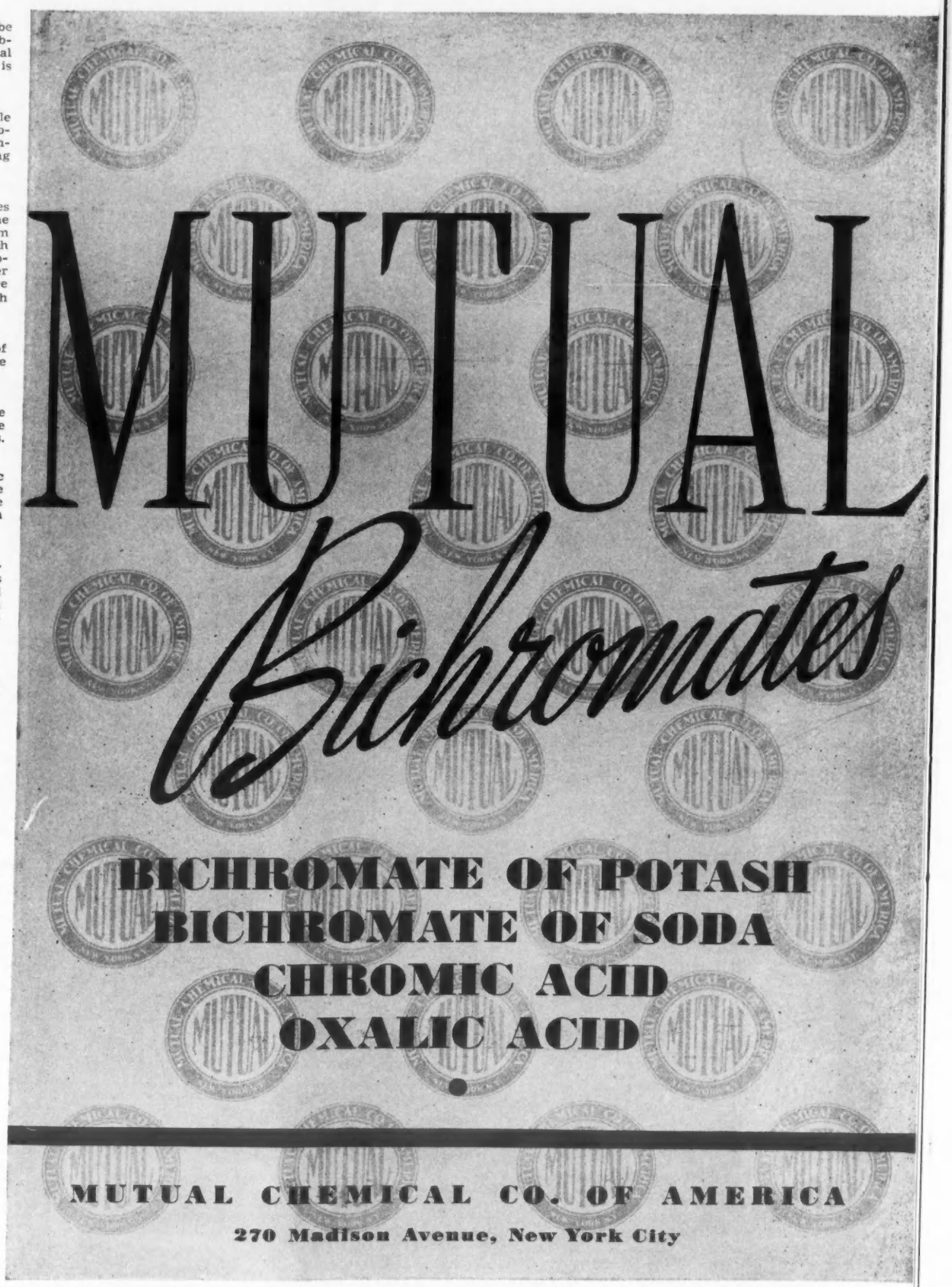
Dr. Walter A. Bastedo, president of the convention, directed his official address mainly to the better fitting of the pharmacopeia to the needs of the practicing physician and to the development of still greater cooperation in its preparation.

His major suggestions and recommendations, later approved by the convention were:—

That the frequency of revision of the pharmacopeia be left to the board of trustees to determine.

That the board be authorized to re-

—*Continued on page 45*



Dyestuffs, Textile and Leather Chemicals

Corn Sugar, Dextrin and Starch Prices Score Declines—Domestic Egg Products Firmer—Tapioca Flour Up—Ground Sumac, Myrobalans and Valonia Advanced

Price fluctuations were more numerous in the market for dyestuffs, textile and leather chemicals last week. All the changes occurred in sizing and raw tanning materials, reflecting higher shipping costs for the most part. Erratic gyrations in the commodity markets also was a factor. There was some disposition to broaden commitments in items where prices would be affected by the war in Europe; this was particularly true in tanning materials.

Corn derivatives were higher earlier in the week, when the corn market advanced, but were sharply lowered when the commodity prices dropped later in the period. The uncertain price structure caused many buyers to hesitate until the situation became more clarified. Domestic egg albumen and yolk prices were firmer, but imported material failed to follow. Domestic dextrin potato starch moved in conformity with the firmer imported price established recently. Tapioca and domestic potato starch were fractionally advanced.

Most raw tanning materials, with the exception of wattle bark, were higher. Sumac scored the widest advance to the high of the year for ground, while leaf was still unavailable. Myrobalans were moderately higher as was valonia beards and cups. No change occurred in the various extracts.

Price Changes

Advanced

Albumen, egg, dom., 1c. per lb.
Egg yolk, dom., 2c. per lb.
Dextrin, potato, dom., ¼c. per lb.
Myrobalans, J1, $1.50 per ton.
J2, $2 per ton.
Starch, potato, dom., ½c. per lb.
Sumac, grd., $10 per ton.
Tapioca flour, ¼c. per lb.
Valonia, beards, $3 per ton.
Cups, $2 per ton.

Reduced

Corn, dextrin, 10c. per 100 lbs.
Starch, 10c. per 100 lbs.
Sugar, 10c. per 100 lbs.
Wattle bark, E. African, $2 per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.3	143.4	143.2	138.2

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Buying conservative. Prices unchanged and firm.

Alumina Chloride.—No broadening in the demand. Prices unchanged.

Ammonia Acetate.—Firm price tone, with dealings fairly steady.

Ammonia Bichromate.—Small lots usually made up the call.

Antimony Salts.—Interest was dull No change occurred in the prices.

Chrome Acetate.—Quotations firm. Demand narrow.

Potash Bichromate. — Withdrawals moderately active. Good export inquiry. Price tone firm.

Potash Prussiate. — Commitments routine. Prices lacked any change.

Soda Bichromate.—Business satisfactory, although receding from the high levels. Freer export offerings. Prices rule firm.

Soda Prussiate.—Prices were unchanged. Usual consumers made moderate replacements.

Sulphonated Oils.—Market strong. Consumers following conservative buying policy.

Zinc Dust.—Moderate inquiry. Pricewise a firm tone characterized the trading.

Dyestuffs

Annatto.—Trading light. No change disclosed in the prices.

Archil.—Spot stocks small. Prices strictly nominal.

Cochineal.—Market position strong. Interest fair.

Fustic.—Buying held close to nearby production requirements.

Hypernic.—Firm price tone, with demand limited.

Indigo.—Market dull. No change occurred in the quotations.

Logwood.—Demand routine. Prices well maintained.

Madder Dutch. — Business quiet. Pricewise no new developments took place.

Turmeric.—Interest spotty. Market position strong. Prices unchanged.

Sizing Materials

Albumen, Blood.—Market position strong. Demand steady and prices unchanged.

Albumen, Egg. — Domestic, 1c. higher; imported unchanged. Fair interest, market position more satisfactory.

Corn Sugar.—Various grades of tanners, 10c. per 100 pounds lower. Buying hesitant.

Dextrin, Corn.—Market declined 10c. per 100 pounds for all grades. Buying restricted. April corn grind, 5,941,220 bushels, against 5,386,977 bushels in March and 5,089,993 bushels in same month a year ago. First four months aggregated 23,137,615 bushels, compared with 20,562,167 bushels, according to Corn Industries Research Foundation.

Dextrin, Potato.—Imported advanced ¼c. to 8c. per pound. Market nominal. Buying fair.

Egg Yolk.—Domestic. 2c. higher, ranging from 59c. to 60c. per pound; no change in the imported. Moderate interest.

Starch, Corn.—Quotations lowered 10c. per 100 pounds. Business spotty.

Starch, Potato.—Domestic advanced ½c., ranging from 5½c. to 6c. per pound; imported held at 7c. per pound.

Starch, Wheat. — Despite fluctuation in basic commodity, market held unchanged. Buying irregular.

Tapioca Flour.—Prices ¼c. higher, ranging from 3c. to 4½c. per pound. Moderate demand.

Tanning Materials

Chestnut Bark. — Shipments held close to nearby needs. Prices unchanged.

Cutch.—No new price developments. Fair demand.

Gambier.—Market nominal. Buying light.

Hemlock Bark.—Firm price tone. New business lagging.

Mangrove Bark.—Quotation was unchanged. Demand routine.

Myrobalans.—J1 $1.50 higher at $30 per ton, while J2's rose $2 to the basis of $26 per ton. Business improved.

Quebracho.—Moderate inquiry. No change occurred in the prices.

Sumac.—Ground material $10 higher at $140 per ton; no prices for leaf. Active inquiry.

Valonia.—Quotation for beards $3 higher at $52 per ton, cups up $1 to $2 per ton ranging from $39 to $41. Better demand.

Wattle Bark.—East Africa $2 lower at $33.75 per ton, South African unchanged at $34 per ton. Business light.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, Cincinnati.
Textile Chemists and Colorists, Oct. 18-19, New York.

Oil Chemists Told Research Aids Sales

—Continued from page 3

ington; "Cocos Pulposa Palm Kernel Oil," by Dr. G. S. Jamieson and W. G. Rose, Washington; "Estimation of Saturated Glycerides in Shortenings and Margarines," by Dr. C. A. Coffey and H. T. Spannuth, Chicago; "The Stability of Vegetable Oil: I. The Spectral Transmittance of Soybean Oil," by Dr. K. S. Markley, New Orleans; "The Effect of Light of the Visible Spectrum on the Oxidation of Fats and Oils," by George R. Greenbank and George E. Holm, Washington; "Solidification Point Curves of Binary Acid Mixtures: II. Palmitic, Stearic, Arachidic, Behenic, Lignoceric," by Mr. Schuette and H. A. Vogel; and "Continuous Deodorization—Two Years Later," by E. H. Chapin and D. K. Dean, Chicago.

Textile Finishes Committee Discusses Materials Testing

The Special Committee for the Testing of Textile Finishes held its first Annual Meeting May 8, in the Industrial Building of the National Bureau of Standards, Washington, D. C. Dr. E. C. Dreby, research associate of the Committee, reported on the analysis of the physical factors constituting textile finishes, and on instruments which he has developed for evaluating these factors. The instruments described are designed to measure the flexural properties and the surface characteristics of finished fabrics.

It is planned to continue the research program of the Special Committee into a second year. The subscribers to this research program are the American Viscose Corporation, Corn Industries Research Foundation, Cranston Print Works Company, E. I. du Pont de Nemours & Co., Geigy Company, Hart Products Corporation, Hercules Powder Company, National Oil Products Company, Sandoz Chemical Works, Scholler Brothers, Inc., and Sears, Roebuck & Co.

Sidney Edelstein has joined the research staff of the Hart Products Corporation, manufacturer of textile oils, this city.

F.T.C. Cites Ass'n for Ban On Prices Below 'Cost'

OPD Washington Bureau
May 14, 1940

Western Confectioners Association, San Francisco, a trade association, its officers, directors and trustees, and forty-nine member manufacturers engaged in the sale and distribution of candies in Western States, have been served by the Federal Trade Commission with a complaint alleging a combination to restrain price competition, establish uniform prices and to stabilize the discounts allowed.

Pursuant to their agreements and undertakings, the complaint alleges, the respondent manufacturers and the association and its officers and members cooperatively enforced their merchandising policy for eliminating price competition by the following means:—

(1) The respondent manufacturers adopted a minimum price, based on figures obtained by the association, for the association members' products, and (2) adopted arbitrary cost figures, while pretending to act under the California fair trade act and unfair practice act; (3) the respondent association made arbitrary classifications designating purchasers of respondents' products as wholesalers, jobbers, and as other dealers; specified standard and uniform discounts to be allowed purchasers in each classification, and the respondent manufacturers adopted such classifications and allowed the discounts; (4) the respondent manufacturers, upon demand by the association, revised price lists to make them uniform, and (5) filed with the association advance notices of price changes; (6) the respondent association, through its officers and the respondent manufacturers, made threats to institute, and aided and abetted in instituting, court proceedings against manufacturers selling at prices below the costs arbitrarily fixed, and (7) disseminated threats among association members and other manufacturers that any manufacturer who sold below the cost figures adopted would be prosecuted under the California fair trade act or unfair practice act.

Textile Chemists to Hear Siebert Discuss Fading

The atmospheric fading of colored cellulose acetate fibers and fabrics will be discussed by Charles A. Siebert of E. I. duPont de Nemours & Co. before the meeting of the New York section of the American Association of Textile Chemists and Colorists to be held May 24 in the Swiss Chalet, Rochelle Park, N. J. An informal dinner at 6:30 p.m., at $1.50 per plate, will precede the meeting.

E.T. Trigg Made Member Of Advisory Loan Council

The Federal Home Loan Bank Board has appointed Ernest T. Trigg, president of the National Paint, Varnish & Lacquer Association, as a member of the Federal Savings and Loan Advisory Council for the fiscal year 1940-41.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

ACETAMIDE
TECHNICAL AND C. P. ODORLESS GRADES

USES

DYE SOLVENT — difficultly soluble dyes are dissolved in molten acetamide and the solution rendered liquid at room temperature by adding water or a suitable alcohol. The solution is used as a master batch and avoids spotting from undissolved dyestuff.

SOLVENT — for almost all organic materials and many inorganic salts. Preparation acetonitrile, pharmaceutical products.

SOLDERING FLUX — Gives excellent results when applied from water or alcohol solution, especially on machine soldering lines. No change in procedure is necessary.

Samples and further information on request.

NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

Barrett

CUMAR*

PARACOUMARONE-INDENE RESIN

•

Cumar is widely used in the manufacture of varnishes, floor tile, light-colored rubber products, printing ink, adhesives and waterproofing materials, and in the leather, electrical, radio, paper and other industries.

It is unique in the broad field of synthetic resins—a chemically neutral, non-saponifiable body—available in fluid, viscous, flake or solid forms, with melting points from 10°C to 160°C. It is manufactured under rigid chemical control from specially selected aromatic hydrogen distillates. Each grade is produced to meet a definite specification, and is available in large quantities at reasonable prices.

Experienced Barrett Technical Service men will gladly suggest appropriate grades for your purpose. Phone, wire or write.

CUMAR RESIN (Paracoumarone-Indene Resin)—Specifications

GRADE	MELTING POINT	COLOR	FORM
High Melting (W)	150-160°C.	Color ½-3	Flake
Varnish (V)	127-137°C.	Color ½-3½	Flake
Medium Hard (MH)	115-125°C.	Color 1-3½	Flake
(Dark-MH9)	115-125°C.	Color 8-12	Solid
Rubber Hard (RH)	77-85°C.	Color 8 max.	Solid
Medium Soft (MS)	55-65°C.	Color 8 max.	Solid
Rubber Soft (RS)	45-55°C.	Color 8 max.	Solid
Special Soft (S30)	27-34°C.	Color 8 max.	Viscous
(other melting points supplied as required)			
Plastic (P10-P90, according to melting point in °C.)	As required 10-90°C.	Color 2-8	Viscous or Solid
AX	20-30°C.	12 max.	Viscous
BX	35-45°C.	12 max.	Viscous
CX	45-55°C.	12 max.	Solid
DX	75-85°C.	20 max.	Solid
EX	100-115°C.	20 max.	Solid
FX	125-135°C.	20 max.	Solid

The flaked grades are shipped in metal containers holding about 300 pounds net. The solid and viscous grades are shipped in destructible drums and steel barrels, respectively, each container holding approximately 430-450 pounds net.

The Barrett Company • 40 Rector St. • New York, N.Y.

... One of America's great basic businesses

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Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36-page, pocket-size booklet lists the many important chemicals Barrett manufactures, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Demand Fairly Steady — Steel Operations Gain Moderately —Naphthalene Imports Curtailed — Phenol Moves Steadily —Toluol Position Unchanged—Coaltar Colors Firm

Demand for coaltar chemicals held at fairly good levels last week. Most factors reported slightly better demand recently, but replacement business was of a cautious character. The developments abroad found no immediate reflection in the domestic market. Steel operations again displayed moderate improvement. The position of the market remained satisfactory, and prices were maintained at firm levels.

Imports of crude naphthalene will be further curtailed by the spread of war to Belgium and Holland, and offerings were scarce. Domestic crude and refined prices were firm. Situation in imported cresylic acid was still easy, while domestic demand was not especially active. Phenol shipments moved steadily to regular consuming channels; offerings for export were small for the present. While less export inquiry prevailed for toluol, the market was tight with sellers concentrating on filling domestic contracts. Demand for benzol was not active, and export inquiries light. Xylol held firm.

Movement of intermediates for the most part was held to moderate proportions. Prices on practically all materials were firm, and not a great deal was offered for export. Coaltar acids were taken in a routine fashion. Shipments of colors were irregular from domestic channels, however, demand for export held up well.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	**127.3**	**127.3**	**125.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand fair. Price tone about steady. Export interest not heavy.

Carbazol.—Dealings narrow. Prices without change and firm.

Coaltar.—Shipments of crude and refined routine. No change disclosed in the prices.

Creosote Oil.—Moderate inquiry from regular channels. Sellers adhered to previous quotations, and the tone of the market was firm.

Cresols.—A steady interest for nearby needs prevailed in this direction. Prices were without alteration.

Cresylic Acid.—Consumers made only necessary replacements as a rule. Prices were in conformity with those established previously. Not much interest was manifest in the imported material, and the tone of the market was easy.

Naphthalene. — Firmness characterized the market for crude and refined grades. Shipments were entirely routine. Imports of crude were light, and prices well sustained.

Oil, Shingle Stain.—Usual consumers entered the market for moderate quantities. No change occurred in the quotations.

Phenol.—Shipments moved to regular consuming channels steadily against contracts. Sellers were booked ahead, and showed little disposition to export at this time. Pricewise a firm tone prevailed.

Pitch, Coaltar.—Nothing new developed, and trading was routine. Prices ruled unchanged.

Pyridin.—A moderate demand against contracts was reported. Pricewise a firm tone predominated.

Tar Acid Oils.—Business lacked much stimulation. Prices were unchanged, and a steady to firm tone prevailed.

Toluol.—Market position tight. Shipments moved to regular channels steadily against contract. New bookings for domestic account were restricted. Export inquiry active, but offerings small.

Xylol.—A firm price tone governed the dealings. Withdrawals from the lacquer trade remained satisfactory. Export inquiry fair.

Chicago Coaltar Bases

The coaltar bases market is reported to be holding its own without much difficulty, with offerings seemingly held well within the absorptive limits of the demand. Benzol is quiet but rather steady. Buying is in small lots mostly. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Trading was routine and prices remained the same.

Benzoic.—Firm price tone prevailed. Commitments moderate.

Broenner's.—Business lacked any stimulation. Prices ruled firm.

Cleve's.—Consumers entered the market for necessary requirements.

Fumaric.—A moderate inquiry continued in evidence. Prices unaltered.

Gamma.—Dealings were strictly routine. Pricewise a firm tone prevailed.

H.—Usual consumers made fair-size replacements. Quotations unchanged.

Laurent's. — Small quantities made up the call. Prices without change.

Malic.—Withdrawals held moderate, while no change occurred in prices.

Maleic. — A steady call for nearby needs was the general rule.

Picramic.—Market held firm, with trading on a fair scale.

Picric.—Tone of the market strong, with shipments moderately active.

Salicylic.—Business lacked broadening. Market position firm.

Succinic.—Shipments were fairly steady to regular channels.

Sulphanilic.—Demand routine. Prices unchanged and firm.

Tobias.—No change occurred in the prices, with trading moderate.

Other Intermediates

Alphanaphthol.—Commitments were conservative, and prices unchanged.

Anilin.—Interest was only fair in this direction. Prices without change.

Anthraquinone.—Trading was along narrow lines. Quotations firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents, June 3-6, Cincinnati.
Manufacturing Chemists, June 6, Skytop.
Synthetic Organic C.M.A. outing, June 6-7, Skytop.
Insecticides and Disinfectants, June 17-19, Lake Wawasee.
Textile Chemists and Colorists, Oct. 18-19, New York.

Benzaldehyde. — Technical material moved at a moderate pace.

Benzidin Base. — Market continued firm, with dealings spotty.

Betanaphthol.—Shipments were restricted to nearby needs, as a rule.

Betanaphthylamine.—There were no new developments, and prices held firm.

Diethylanilin.—Business was moderate. Prices were unaltered.

Dinitrobenzene.—Demand remained steady for moderate quantities.

Dinitrochlorobenzene. — Usual consumers provided satisfactory interest.

Dinitronaphthalene.—Market retained its firm tone, with demand fair.

Dinitrophenol. — New business was light, but prices were well sustained.

Dinitrotoluene.—Position of market firm, with interest steady.

Diphenyl.—Demand was narrow. Pricewise a firm tone prevailed.

G. Salt.—Market routine. No change was disclosed in the quotations.

Metanitroparatoluidin. — Commitments were small, and prices the same.

Nitrobenzene. — Transactions were moderately active. Prices unchanged.

Nitronaphthalene.—Trading held to regular channels for moderate quantities.

Orthochloroanilin.—Prices firm. Business fair.

Orthochlorophenol. — Business dull. No change in the prices.

Orthodichlorobenzene.— Quotations held firm. Business moderate.

Orthonitroanilin.—Firm price tone, with dealings conservative.

Orthonitrotoluene.—Market held its strong position. Demand steady.

Orthotoluidin. — Usual consumers provided a satisfactory interest.

Parachlorophenol.—Shipments conservative. Prices failed to change.

Paranitroanilin. — Quotations unchanged and firm. Trading routine.

Paranitrotoluene.—Withdrawals irregular. Prices held firm.

Paratoluidin. — Consumers made fair-size replacements against contracts.

Phthalic, Anhydride. — Demand moderately active. Prices unchanged and firm.

—Continued on page 52

Obituaries

Arthur P. Bopf

Arthur P. Bopf, president of the Bopf-Whittan Lanolin Corporation, Linden, N. J., and said to be the first refiner and producer of lanolin in this country, died in Elizabeth, N. J., May 12. He was sixty-four years of age.

Following graduation from a college of chemistry in Newark, N. J., Mr. Bopf was employed for nineteen years supervising refining of oils and greases for a subsidiary of the Standard Oil Company. In 1904 he became secretary and plant manager for Alden S. Swan Company, this city, also oils and grease refiners. With the outbreak of the World War, supplies of lanolin from Europe were shut off and Mr. Bopf, utilizing a process developed by himself, started his own company in 1914 to produce lanolin.

John H. Field

John H. Field, former manager of the New York sales office of the American Agricultural Chemical Company, this city, died in Buffalo May 12 after an illness of several months. Mr. Field joined the company in 1901 as manager of the Buffalo office and remained there until 1917 when he was named to the New York post. He resigned in 1922 and returned to Buffalo to enter other lines of business.

Gustave Katz

Gustave Katz, president of Katz & Besthoff, Ltd., operator of a chain of drug stores in New Orleans, died in his home May 8. He was sixty-nine years of age. A native of New Orleans, Mr. Katz graduated from the New York University School of Pharmacy. Upon his graduation he returned to New Orleans and worked in several stores before opening his own store. In 1905, he formed a partnership with S. J. Besthoff, sr., who died in 1929. Surviving are his wife, a daughter, a brother and a sister.

Jeremiah K. Ross

Jeremiah K. Ross, field superintendent for Wailes Dove-Hermiston Corporation, bituminous paint and roof-coating manufacturer, Westfield, N. J., died May 15 in Scotch Plains, N. J. He was forty-one years of age. Mr. Ross was a member of the American Institute of Chemists.

G. K. Shearer

George K. Shearer, treasurer of the Peoples Drug Stores, Washington, D. C., was killed May 12 when his automobile overturned near York, Pa. He was fifty-two years of age.

A native of York, Pa., Mr. Shearer had attended Cornell University and was a graduate of the Philadelphia College of Pharmacy. He entered the drug business of N. H. Shearer & Co., a Pennsylvania drug store chain founded by his father. When the Shearer firm was purchased by the Peoples interests in 1926, Mr. Shearer became director of all store operations. He had offered his resignation, effective June 1, and had expected to spend his retirement at his country home near Yorktown, where he was going when he was killed.

Dr. Alvin S. Wheeler

Dr. Alvin Sawyer Wheeler, Kenan professor emeritus of organic chemistry and a member of the faculty of University of North Carolina, for forty years, died in Chapel Hill, N. C., May 12. He was seventy-four years of age. Regarded as an authority on P-cymene and its derivatives, Dr. Wheeler was credited with the patenting of the dye known as Wheeler brown.

Surviving are his wife and two sons.

James H. Cranwell, head of the Baltimore division of Continental Can Company, this city, from 1917 to 1928, died May 15 after a short illness. He was eighty-three years old.

Elmer J. Goetz, president of the Elmer J. Goetz Oil Corporation, western New York distributor for the American Oil Company, died May 10 at his Buffalo home.

Prof. Philip W. Meserve, of Bowdoin College, was found dead in his automobile in Brunswick, Me., May 10. Prof. Meserve was credited with planning and executing the largest gas attack attempted by American forces in the World War.

W. L. Rollins, for fifty years employed by the Dodge & Olcott Company, this city, died May 6 at Woodhaven, L. I. He was a vanilla bean specialist and was in charge of the vanilla division of the company when he died. In the previous issue of the REPORTER a typographical error gave his name as Robbins. Mr. Rollin's business acquaintances extended from the Atlantic to the Pacific.

Kenneth J. Sheldon, State supervisor of agricultural education in Vermont, died in Burlington May 13. He was forty-nine.

Fred W. Tietjen, glue manufacturer, died May 10 in this city. He was sixty-seven years of age. Mr. Tietjen became associated with D. F. Deike & Sons Glue Company in 1890, but started his own firm ten years later when that company went out of business.

Oscar P. Volker, manager of the Chicago office for Samuel Cabot, Inc., carbon black manufacturer, Boston, died unexpectedly April 30.

Harold Alban Wilkins, president of Lever Brothers, Ltd., Toronto, died in Hollywood, Calif., last week. He was thirty-seven years of age.

Baltimore Wins Bowling Cup

The forty-third annual tournament of the American Drug Trade Bowling Association, held in Atlantic City, May 10-11, was won by the Baltimore team with a total of twenty-two points. Teams from New York and Philadelphia tied for second place. High scoring honors went to A. Spencer, Baltimore, with an average slightly above 200, and E. Hinderer, of Charles L. Huisking & Co., New York, placed second with 198.

KOPPERS

TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

SYNTHETIC RESINS
ANTISEPTICS
DRUGS
DISINFECTANTS
PLASTICIZERS
DYES
SOLVENTS
EXPLOSIVES
PERFUMES
PHOTOGRAPHIC DEVELOPERS
SOAP
RUBBER RECLAIMING AGENTS
LACQUER
ANTI-OXIDANTS
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ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

PHENOL—All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

KOPPERS COMPANY • PITTSBURGH, PA.

KOPPERS CHEMICALS AND SOLVENTS

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Napthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

Bentonite Output Up

The 1939 output of bentonite in the United States rose to 219,720 short tons valued at $1,702,393, according to reports from producers to the Bureau of Mines. This compared with 192,183 tons and $1,373,182 in 1938 and the previous record of 194,768 tons and $1,500,758 in 1937. More than 43 percent of the 1939 total sales were for filtering and decolorizing oils, chiefly after activation with acid, and another 16 percent was used by the petroleum and natural-gas industries in rotary oil-well drilling muds. Almost 25 percent was employed in foundries and steel works, chiefly as a conditioning or revivifying agent of molding sands. Increasing quantities of bentonite are employed for sealing dams and reservoirs, in soap making, and for a variety of other miscellaneous applications.

Eagle-Picher Lead Company has unconditionally guaranteed term loans totaling $2,500,000 made by the Eagle-Picher Mining & Smelting Company.

Savannah Exchange Names Various Committee Chairmen

Savannah, May 14, 1940

Charles T. Theus, chairman of the naval stores section of the Savannah Cotton & Naval Stores Exchange, has named Charles L. Murphy as chairman of the yards and transportation committee; C. C. Cook, chairman of inspection committee; C. H. Carson, chairman of information and statistics, and Charles Sanford, chairman of complaints and arbitration. Mr. Theus will head the executive committee.

Louisville Paint Technicians Told to Use Domestic Items

Louisville, Ky., May 14, 1940

The importance of using available domestic raw materials to replace imported oils in manufacturing products having the maximum value per dollar was stressed by Louis Reizenstein, of Falk & Co., in the principal speech at the April meeting of the Louisville Paint and Varnish Production Club.

Mr. Reizenstein then addressed the membership on the economics of present day formulation with particular attention to particular types such as interior paints, railroad oils, finishes for porous surfaces, putty and paste colors. He included an explanation of the requirements for package stability and the mechanics of building film strength.

Balto. Production Club Discusses White Lead

Baltimore, May 13, 1940

Karel Vettewinkel, of the National Lead Company, New York, discussed the importance of the use of white lead at the monthly meeting of the Baltimore Paint & Varnish Production Club held May 3. By the use of charts, the speaker attempted to prove that his company's No. 111 white lead at a P.V.C. of 23 percent was equal in durability and performance to any other white lead requiring up to 30 percent.

A proposed amendment to the club's by-laws, to be voted upon at the next meeting, would provides that "no transfer of any member from a constituent club to this club shall be allowed. A formal application for such transfer shall be made in the regular manner as set forth in these by-laws." Members will also elect new officers for the coming year at the next meeting.

Paint Styling Group Outlines 1940 Plans

The meeting of the technical and fact finding committee and publicity committee of the Council for Paint Styling was held in Williamsburg May 9-10. The committee outlined the paint styling program and explained the procedure, its work and accomplishments for the benefit of the guests and members of industries in attendance.

The committee also reviewed the 1939 style trend report and made definite plans for the conduct of the 1940 work and the manner of presentation of results to the industry; worked out a program of paint styling for the meeting of the advertising and sales promotion managers of the industry; policies to be followed in the publication of paint styling literature in the future and the type of literature to be released to other industries.

After reviewing the geographical location and number of cooperators working with the council, the committee decided that in some spots additional cooperators should be appointed to secure maximum coverage.

A survey of magazine illustrations which is one of the projects of the committee was carefully analyzed by Miss Mary McCafferty prior to the meeting, and a full and comprehensive report was made to the committee, illustrated with magazine pictures. This report is now being further studied and some practical use of the information which has been obtained will be worked out for presentation to the industry. Publicity and plans and new activities were given careful consideration at the meeting.

Plywood Association Gets A.T.A.E. Award

OPD Washington Bureau
May 13, 1940

The annual award of the American Trade Association Executives for outstanding association achievement was presented to the Douglas Fir Plywood Association at the semiannual meeting here today. The award was presented by Edward J. Noble, Undersecretary of Commerce, who served as chairman of the jury of award. First place was given to the plywood association for its successful program of research and trade promotion in developing and finding markets for new grades of plywood.

Honorable mention certificates were given to Anthracite Industries, Inc., Association of American Railroads, Durene Association of America, Institute of American Meat Packers, Institute of Distribution, National Association of Broadcasters, National Association of Retail Grocers, and National Retail Lumber Dealers Association.

Western N.Y. Production Club Elects A.V. Smith

Buffalo, May 14, 1940

H. Vernon Smith, technical director of McDougall-Butler Co., was elected president of the Western New York Paint and Varnish Production Club at the annual meeting here. Mr. Butler succeeds A. T. Montanye of Pratt & Lambert, Inc.

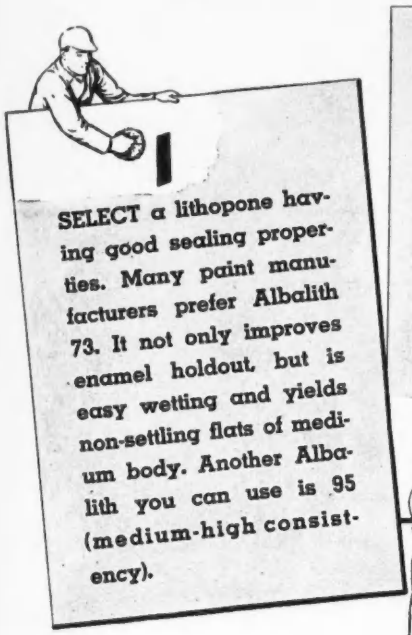
Other officers elected for the coming year are:—Vice-president, Edward J. Zimmer, of Pratt & Lambert, Inc.; secretary, Albert R. Schuster, of Durez Plastics & Chemicals, and treasurer, Robert G. Rowe, of the Rowe Paint Works, Niagara Falls. Michael Catena of McDougall-Butler Company was elected to the plant managers' committee.

Prior to the election of officers, Mr. Montanye opened the regular business meeting. The by-laws committee submitted a copy of the corrected by-laws, and the chairman reported that the federation was satisfied with the revised set. Secretary Zimmer read a letter relative to the joint convention of the paint and production clubs in Washington in October, inviting Buffalo delegates.

THREE STEPS TO

Flat Wall Paints

WITH BETTER WASHABILITY


1
SELECT a lithopone having good sealing properties. Many paint manufacturers prefer Albalith 73. It not only improves enamel holdout, but is easy wetting and yields non-settling flats of medium body. Another Albalith you can use is 95 (medium-high consistency).
2
KEEP pigment-fixed vehicle (PFV) ratio at a fairly low level. High pigment efficiencies (maximum number of square feet of hiding power per dollar of opaque pigment) are usually reflected in poorer sealing and washing properties. A New Jersey zinc representative can show you how this yardstick applies to your paint.
3
CHOOSE a good wetting vehicle. Albaliths 73 and 95 with their superior wetting properties make the job of obtaining a non-porous paint film structure easier to accomplish. And for the same reason, Albaliths 73 and 95 are exceptionally valuable in enamel undercoaters and to improve enamel holdout.

Lithopone is one of the most flexible and economical white pigments you can use today. It is equally adaptable to the manufacture of flat wall paints with good washability or with high hiding*. You can take full advantage of these characteristics, when formulating for improved washability, by using Albaliths 73 and 95.

*For more of this story, write for a copy of "A Practical Hiding Power Comparison", describing tests on 95 commercial flat wall paints.

ALBALITH 73·95 LITHOPONES

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Paint, Varnish, Lacquer Material

Spread of War Clouds Status of Several Imported Paint Materials —Situation Not Clarified As Yet — Domestic Trade Good—Casein Up—Rosin and Turpentine Easier

Specific and immediate affects of the spread of European hostilities on imported raw paint material markets were not readily discernable last week. Conditions in the foreign varnish gum markets were uncertain, with domestic importers having little information regarding shipments and future supplies. Possibilities of continued trade with the East Indies seemed fair, but the trade status of the Belgian Congo was still not clarified. Similarly, trade in various other materials that were being shipped through and from Belgium and the Netherlands since last September was in danger of being shut off, although no reports from those countries were available.

The domestic market for paint materials in general continued to show improvement during the week. Titaniums and zinc oxides still set the pace in the pigments division, but sales of white lead and lead oxides were at a much higher level. The majority of dry colors were moving well, with a more active consuming interest reported. Hide and bone glues were very strong. Domestic and Argentine casein were advanced due to a much heavier demand but, as in past weeks, prominent producers failed to agree on the proper market price. Rosin prices had a downward trend, the easier situation being attributed mainly to the lack of an export outlet to Europe. Turpentine was easier in company with rosin. Business was quiet.

Metallic Lead and Zinc

Sales of pig lead during the week were at an extremely high level. Several sellers were sold out of the metal in their daily operations. Despite the strong demand, however, there was no rumor of an advance, most observers being of the opinion that the quoted price would hold until this week, at least. Interest in slab zinc was better, producers reporting heavier sales daily. Price was steady and unchanged.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from May 11 to May 17, inclusive, were as follows:—

	Pigs			
	Per pound		Spot. London. Per ton	
	New York.	E. St. Louis.	£ s.	d.
Saturday	$0.0510@.0515	$0.0495	..* ..	..
Monday	.0510@.0515	.0495	.. ..	..
Tuesday	.0500@.0505	.0485	.. ..	..
Wedn'sd'y	.0500@.0505	.0485	.. ..	..
Thursday	.0500@.0505	.0485	.. ..	..
Friday	.0500@.0505	.0485	.. ..	..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from May 11 to May 17, inclusive, were as follows:—

	Slabs			
	Per pound		Spot. London. Per ton	
	New York.	E. St. Louis.	£ s.	d.
Saturday	$0.0515	$0.0375	..* ..	..
Monday	.0515	.0375	.. ..	..
Tuesday	.0515	.0375	.. ..	..
Wednesday	.0515	.0375	.. ..	..
Thursday	.0515	.0375	.. ..	..
Friday	.0515	.0375	.. ..	..

* London exchange closed.

Pigments

Litharge.—Slightly better demand. Inquiries more numerous. Price firm and unchanged.

Lithopone. — Demand well maintained. Deliveries heavier. Spot sales good. Price steady.

Orange Mineral.—Pick-up in buying interest reported. Price firm.

Red Lead.—New business and contract deliveries both heavier. Price steady and unchanged.

Titanium Pigments.—Market a bit quieter. Sales still at high level. Inquiries fair. Prices firm and unrevised.

White Lead.—Further gains in sales and shipments reported. Inquiries more numerous. Prices firm.

Price Changes

Advanced

Casein, dom., ½c. per lb.
imp., Argentine, ½c. per lb.
Rosin, gum, 5c. to 20c. per 280 lbs.
Turpentine, gum, ½c. per gal.

Reduced

Rosin oil, 2c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Zinc Oxides.—Interest of rubber industry continues at high level. Shipments heavy. Paint manufacturers more active buyers. All prices steady and unchanged.

Fillers and Extenders

Barytes.—Contract shipments continued at normal levels. Spot sales routine. Inquiries for future delivery fair. Price firm.

Blanc Fixe.—Supplies of both by-product and direct process products freer. Shipments during week at normal level. Inquiries better. Prices firm and unchanged.

China Clay.—Contract withdrawals heavier. Price firm.

Gypsum. — Interest in offerings more satisfactory. Shipments less irregular. Spot sales better. Price firm.

Mica. — Demand conservative but normal. Price unchanged.

Woodflour. — Imported material nominal and scarce. Demand for domestic product sluggish.

Synthetic Resins

Ester Gum.—Consumers more active. Contract withdrawals heavier. Spot sales good. Inquiries more numerous. Prices firm and unchanged at all points.

Chlorinated Rubber.—Movement of stocks routine. Price firm.

Shellac

Sellers of shellac on this market reported a moderate amount of new business going onto the books and a fairly prompt acceptance of tenders

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, *Cincinnati.*
Production Clubs, Oct. 28-30, *Washington.*
Paint, Varnish and Lacquer, Oct. 30-*Nov.* 1, *Washington.*

Are You Having Any Fun...or
is the oil situation taking the joy out of life?

We are not guessing when we say Paranol 1750 makes excellent varnishes with drying oils other than Chinawood.

A sample and full information await your request.

Our Technical Staff is at your service.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

ULTRAMARINE
. . sure cure for blues over blue!

Often challenged—but yet to be bettered—Calco Ultramarine tops the field for virtually every use for blue. Deep, juicy blues—sparkling *white* whites—and the whole range of blue shades in between—are more readily obtained with Ultramarine than with any other blue. Complete control of processing in our own plant assures consistently uniform strength, working properties and fastness to light and alkalis. Special types—each superb for its purpose—for Paper, Rubber, Soap, Linoleum and Textile products. Write today stating your needs for blue and a free sample will be sent to meet your requirements.

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SALES AGENTS
CALCO CHEMICAL DIVISION
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Boston · Philadelphia · Providence · New York · Charlotte · Chicago

Crude, Refined, Processed

PAINT and VARNISH OILS

Sales Representatives

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216 Tremont Street, Boston
Geo. E. Moser & Son, Inc., Detroit, Mich.
White & Co., Akron and Cleveland
Marshall Dill, Los Angeles
J. A. Kagan, Dierks Building, Kansas City, Mo.
Brice H. Boyet, Louisville, Ky.
B. & S. H. Thompson & Co., Regd. Montreal and Toronto
Garrigues, Stewart & Davies, Inc. 40 Rector Street, New York

CHINAWOOD OIL
PERILLA OIL
LINSEED OIL
SARDINE OIL
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OITICICA OIL
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GUM TURPENTINE
QUICKSILVER

Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION

Importers, Refiners, Manufacturers — 62 TOWNSEND STREET, SAN FRANCISCO, CALIF. — *4½ million gal. U.S. Gov't Bonded Tank Storage*

ARE YOUR SHINGLE STAINS SETTLING?

Flushed Chrome Greens greatly overcome this difficulty as they are completely dispersed and there are no hard particles to settle out.

Light, Medium and Dark Shades in oil and varnish

WHY GRIND?

Samples on request

The Hilton-Davis Chemical Co.

P. O. BOX 8, PLEASANT RIDGE STATION, CINCINNATI, O.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

SPECIALIZED NAPHTHA SOLVENTS THAT ARE DEPENDABLE AND UNIFORM:

SOCONY-VACUUM

SOVASOLS

SOVASOL No. 1 — Excellent General Rubber Solvent. Quick-Drying —Has Balanced Volatility.

SOVASOL No. 2—Fast-Drying Lacquer Diluent and Rubber Cement Solvent. Chemically Stable.

SOVASOL No. 3—Thinner for Lacquer, Lacquer-Enamel and Fast-Drying Varnish. Stable—Non-Corrosive.

SOVASOL No. 4—Varnish-Makers' and Painters' Naphtha for Quick-Drying Paints and Varnishes.

SOVASOL No. 5—Highly Refined, Colorless, Odorless Paint — Varnish Thinner.

SOVASOL No. 6—Excellent Paint Retarder. Safe, clear, free from objectionable odor.

Socony-Vacuum Oil Co., Inc.

26 BROADWAY, NEW YORK CITY

made buyers operating under contracts. Consumers were reported showing keen interest in the availability of future supplies, viewing the foreign situation developed since Germany conquered the Netherlands and hit hard in Belgium in search of a military decision. Prices on spot were firmer than they had been, the tendency toward shading having sunk into the background to a substantial extent.

Naval Stores

Rosin prices had a downward trend last week, offerings of all grades being somehat larger owing to the lack of an export outlet to Europe and the absence of any indication of a change in the situation in this respect in the near future. Turpentine was easier in company with rosin. Business was on a fair scale though consumers and dealers were still disinclined to purchase in advance of current needs. The movement into domestic consuming channels on contracts apparently held up well, however, and to some the indications pointed to an expansion in the consumption in various lines. Rosin prices were below loan levels and the government remained out of primary markets as a seller. There was a belief that the commission on sales of rosin in barrels through dealers would be increased as proposed, but some uncertainty still existed concerning the government's intentions with respect to loans on 1940 production of rosin marketed in barrels. Receipts in the South were still below expectations for this period of the year.

Turpentine.—A fair request was noted in some local quarters, the purchasing generally being limited to small or moderate quantities. The tone here was easier.

SAVANNAH, May 17.—Following is a record of the turpentine market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand
*Saturday	...	...	...	...	.....
Monday	28	...	166	102	7,919
Tuesday	28	...	265	359	7,825
Wednesday	27¼	191	215	701	7,339
Thursday	27½	15	148	...	7,487
Friday	27½	33	184	71	7,572

* No trading.

JACKSONVILLE, May 15.—Turpentine receipts, 352 barrels; shipments, 901; stock, 32,614.

PENSACOLA, May 11.—Turpentine receipts, 253 barrels; shipments, 632; stock, 9,056.

Markets at Other Centers

Chicago—May 17

Turpentine fairly active. Five-drum lots, 36c. per gallon; five wood barrels, 41c.; single drums, 39c.; single barrels, 44c.

LONDON, May 17.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	May 17.	Previous week.	Last year.
Barrels	13,740	12,568	21,930

Rosin.—The local market had an easier tone in company with the course of the Savannah market where offerings were freer owing to the absence of an export outlet to Europe, due to the spread of the war. Domestic purchases here were generally limited to comparatively small lots.

SAVANNAH, May 17.—Following is a record of the rosin market for the week:—

	*Sat.	Price per unit—Low of range quoted— Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.90	$3.70	$3.70	$3.75	$3.80
D	...	4.00	3.80	3.80	3.85	3.90
E	...	4.35	4.15	4.15	4.20	4.25
F	...	4.60	4.40	4.40	4.50	4.55
G	...	4.65	4.45	4.45	4.50	4.55
H	...	4.65	4.45	4.45	4.50	4.55
I	...	4.70	4.50	4.50	4.50	4.55
K	...	4.85	4.65	4.65	4.70	4.75
M	...	5.15	4.95	4.95	5.00	5.05
N	...	5.40	5.20	5.20	5.25	5.25
WG	...	5.65	5.45	5.45	5.50	5.50
WW	...	6.00	5.80	5.80	5.80	5.80
X	...	6.10	6.10	6.10	6.10	6.10
		Barrels				
Sales	...	680	658	...	240	166
Receipts	...	979	1,006	682	514	892
Shipments	...	850	2,063	1,133	...	1,869
Stocks	...	...	...	...	...	164,211

* No trading.

JACKSONVILLE, May 15.—Rosin receipts, 1,360 barrels; shipments, 2,623; stock, 303,338.

PENSACOLA, May 11.—Rosin receipts, 1,609 barrels; shipments, 491; stock, 51,084.

Markets at Other Centers

Chicago—May 17

Rosin buyers covering immediate needs. B grade, $6.70 per lot of 280 pounds; G grade, $7.45; M grade, $7.95; W.W. grade, $8.80.

LONDON, May 17.—Rosin, W.W., 35s. per cwt.

Pine Oil.—Fair demand from local and other buyers. Market tone steady.

Pitch.—Quotations generally maintained. Fair request. Spot stocks light.

Rosin Oil.—Market easier with basic material. Prices 2 cents lower. Demand fair.

Tar.—Contracts movement apparently held up well. New orders light. Tone steady.

Lacquer Materials

Transactions in the market for lacquer materials and solvents remained at moderate levels last week. Buying was steady for the most part from major consuming channels, but commitments were usually made for necessary replacements. The market received a satisfactory number of export inquiries, and sellers continued to pursue the policy of supplying material when such shipments did not

SILVATEEN FOAM AA

Replaces German Imported Schultz Silica and Neuberger Chalk. Has excellent collodial suspension and polishing qualities. Ideal for manufacture of government metal polishes.

TAMMS SILICA CO.
228 N. LASALLE ST., CHICAGO

RED YELLOW **IRON OXIDES** BROWN BLACK

C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

ASBESTINE

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FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

STEARATES

ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE

Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- KANSAS CITY
- DES MOINES
- LOS ANGELES
- SAN FRANCISCO
- NEW ORLEANS

FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

conflict with domestic requirements. Prices were devoid of any new develop, and a firm tone remained in evidence.

Acetone.—Moderate demand. Good export inquiry. Price tone firm.

Alcohol, Butyl.—Prices well maintained, satisfactory buying interest from regular channels.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

BE SURE··
··YOU GET
"Flowed-In"
GASKETS
IN THE PAILS
YOU BUY
DEWEY & ALMY CHEMICAL CO.
CAMBRIDGE MASS.

SLCo

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD
ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of Coal Tar Products

Butyl Acetate. — Replacements made on a fair scale. Pricewise no new developments occurred.

Cellulose Acetate.—Quotations held unchanged and firm. Consumers displayed steady interest.

Diamyl Phthalate.—Shipments routine. Market tone strong and prices the same.

Dichlorethyl Ether. — Withdrawals were moderately active. No change was disclosed in the prices.

Ethyl Acetate. — Usual consumers provided the market with steady support for nearby needs. Prices ruled unchanged.

Isopropyl Acetate.—Interest was maintaned at steady levels in most directions. Prices were unchanged.

Tricresyl Phosphate.—Demand from regular channels was adequate to keep market position firm.

Dry Colors

Bone Black.—More active consuming interest. Price firm.

Carbon Black.—Rubber industry continued heavy buying. Sales to date much better than similar period last year. Paint manufacturers showing more interest. Shipments larger. Prices firm and unchanged.

Chrome Green.—Demand slightly better. Price firm.

Iron Blues.—Slackening of ink trade interest. Paint makers still holding market to good levels. Prices steady and unrevised.

Mercuric Oxides.—Sales slightly better but market still slack. Prices firm.

Ocher.—Little of new feature since last reviewed. Price firm.

Vermilion.—Demand for English material continued light. Price unchanged despite advances of quicksilver.

Varnish Gums

Copals.—Domestic interest fair. Conditions abroad have not affected market as yet. Situation not clarified. Prices unchanged.

Dammars.—Similar to other gums, the market is in state of uncertainty due to foreign developments. Price unchanged.

Driers

Palmitates.—Contract deliveries remained at satisfactory levels. Spot sales light. Prices steady.

Stearates.—Contract shipments were a bit lighter but were still satisfactory. Prices firm and unchanged.

Glues and Binders

Casein.—Market strong and sales volume heavy. One producer quoted domestic 20-30 mesh at 11c. to 12c. per pound, and another quoted 12½c. to 13c. per pound. General advance was ½c. per pound. Argentine material was also firmer with offerings varying from 11c. to 12c. per pound, ½c. per pound higher.

Glues.—Strength was noted in the market for both hide and bone glues. No prices advanced, however. Sales volume satisfactory.

Trade Briefs

New Jersey Paint Works, Inc., this city, has changed its name to the New Jersey Paint Company.

Baltimore Paint Salesman's Club will hold an outing and golf tournament June 29 at Crystal Beach, Md.

Robert Semlear has joined Valentine & Co., paint manufacturer, this city, as representative for the trade sales division.

Acheson Graphite Company plans the erection of an addition to its Niagara Falls, N. Y., plant, at a cost of $40,000.

American Oil Company, Baltimore, is razing one of the buildings at its Curtis Creek plant and will erect on another site.

Spencer Kellogg & Sons plans the erection of a three-story addition on the rear of its Buffalo office building at 98 Delaware ave.

Schuele & Co., painters' supply dealers, Buffalo, was rocked by an explosion May 14 which J. T. Baer, vice-president, said did $75,000 damage. Ignition of vapors from paints and solvents was believed the cause of the blast.

✓ Condensed Checklist of Colors by IMPERIAL*

✓YELLOWS
Chrome Yellows (C.P. and Reduced)
Zinc Yellow (C.P.)
Yellow Toners and Lakes

✓ORANGES
Chrome Oranges (C.P. and Reduced)
Molybdate Oranges (Rex Orange)
Orange Toners and Lakes

✓REDS
Para Red Toners and Lakes
Toluidine Red Toners and Lakes
Lithol Toners and Lakes
Chlornitraniline Red Toner
Lake Red "C" Toners
Lake Red "D"
Lithol Rubine Toners
Pigment Scarlet Lakes
Rhodamine Toners and Lakes
Eosine Toners
Madder Lakes
Scarlet Lakes
Bordeaux Lakes
Helio Bordeaux
Alizarine Maroon Lakes
Azo Maroon Toners
Permanent and Fugitive

✓BLUES
Iron Blues (C.P. and Reduced)
Potash Blue
Peacock Blue Lakes (Fugitive)
Permanent Peacock Blue Toners and Lakes
Permanent Victoria Blue Toners

✓VIOLETS
Permanent Violet Toners and Lakes
Methyl Violet Toner (Fugitive)

✓GREENS
Chrome Greens (C.P. and Reduced)
C.P. Chromium Oxide Greens
C.P. Hydrated Chromium Oxide Green
Permanent Green Toners and Lakes
Green Lakes (Fugitive)

✓MISCELLANEOUS
Soluble Iron Blue
Paper Blues (Tinting)
Pulp Colors (All shades)

*The largest manufacturers of chemical pigment colors in America.

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.

Branch Offices and Warehouses:
Boston - New York - Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Seattle - Chicago - St. Louis - San Francisco
Baltimore - Dallas - Los Angeles - Louisville

A SOLID PALE Limed WOOD ROSIN
HELIX
"TAILOR MADE" for YOU

● More effective.
Speeds up drying. Produces viscosity fully as great as any rosin limed to same extent. Has low acid value. Eliminates your varnish or gloss oil storage problems.

NEWPORT INDUSTRIES, INC.
250 PARK AVENUE NEW YORK, N. Y.

Sharples Corp. Marks Twenty-Fifth Anniversary

The Sharples Corporation, formerly known as the Sharples Specialty Company, manufacturer of centrifugal equipment, celebrated its twenty-fifth anniversary recently. Highlight of the occasion was the announcement at a dinner tendered the employees of the organization of the formation of the Sharples Veteran Club. Membership in the club is limited to those having twenty years of uninterrupted service with the company. It was also said that in commemoration of his becoming a Sharples veteran, each person will receive a watch, suitably inscribed, and a gold lapel button.

Kessler Chemical Reorganized

The Kessler Chemical Corporation, formerly a subsidiary of American Commercial Alcohol Corporation, has been reorganized under the name of the Kessler Chemical Company. The new company is incorporated in Pennsylvania and is headed by Fred E. Loud as president, the other officers being L. W. Wasum, vice-president and technical director, J. Rodman Tompkins, secretary, and David Levin, treasurer. The Kessler Chemical Company will manufacture the same line of products as its predecessor under the supervision of the same technical staff.

Bennett Co. Opens Harahan, La., Plant

The Bennett Manufacturing Company, Chicago, has opened a new steel barrel plant in Harahan, La., a suburb of New Orleans, according to Stevens A. Bennett, president of the company. Situated on a 7½-acre tract of land near the Huey Long bridge, on the Illinois Central railroad, the plant is equipped with the latest machinery, and is producing a full line of steel containers for utilization in practically every field of industry.

The New Orleans plant is under the direction of Maumus Claverie, vice-president of the company, formerly Southern district manager for the Wilson & Bennett Manufacturing Company, which organization was merged with the Inland Steel Company in 1939. Mr. Bennett, long prominent in the steel container industry, had been for thirty years an executive with the Wilson & Bennett Manufacturing Company, and thus far has taken out eight patents on steel containers. The home office of the company in Chicago is located at 14600 Princeton avenue.

Phila. Paint Club Plans Outing in Ambler June 19

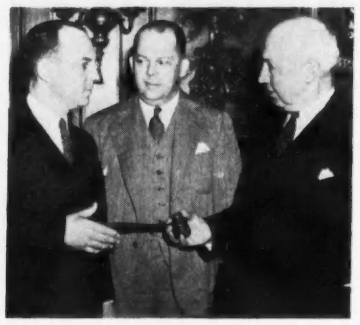
Philadelphia, May 12, 1940

"Commercial Possibilities in South America" and "Economic Situations Motivating Participants in the European War" were the principal discussion points at the May meeting of the Philadelphia Paint, Varnish and Lacquer Association. Charles L. Chandler, of the Corn Exchange National Bank & Trust Company, was the principal speaker and led an open discussion after his talk. H. B. Almond, chairman of the entertainment committee, reported that the annual outing would be held June 19 at the Oak Terrace Country Club, Ambler, Pa.

A.S. Butler Installs Son As Buffalo Club Head

For the first time in the forty years of history of the Buffalo Paint, Varnish and Lacquer Association, the son of a former president of the organization has stepped into the president's shoes.

At one of the most impressive annual meetings ever conducted by the Buffalo association, Andrew S. Butler, jr., was installed as president by his father, Andrew S. Butler, sr., president of McDougall-Butler Co., Inc., and president of the Buffalo association in 1923-1934. Milton L. Back, retiring president, graciously yielded to Mr. Butler, sr., the privilege of installing his son.



Other officers elected for the coming year are:—Vice-president, James O. Meyers of James O. Meyers Company; treasurer, Homer H. Steele, Buffalo manager of Pittsburgh Plate Glass Company; secretary, George E. Toles. The following directors also were elected:—R. E. Endress, George B. Monell, Carl H. Nagel and J. Clarence Roth. Roy Lindsay and Mr. Monell were elected delegates to the national convention, with Mr. Nagel and Neil Hammond serving as alternates.

Fuller's Earth Use Shows Drop in 1939

The production of fuller's earth or natural bleaching clays in the United States after declining almost steadily for nine years showed a further drop in 1939 to 167,070 short tons, valued at $1,691,855, compared with 170,852 tons worth $1,707,869 in 1938, and a peak of 335,644 tons worth $4,326,705 in 1930, according to the Bureau of Mines.

The imports of fuller's earth in recent years have amounted to only 1 or 2 percent of domestic production. According to the Bureau of Foreign and Domestic Commerce in 1939 they totaled 1,818 short tons, valued at $22,215, a small increase over the 1938 total of 1,507 tons and $18,951, but less than imports in any other year since before 1900. Shipments to foreign countries are not reported separately in the Department of Commerce statistics, but reports to the Bureau of Mines by producers show exports of 11,090 short tons worth $90,117 in 1939, compared with 10,046 tons valued at $81,175 in the preceding year, and 8,104 tons valued at $70,985 in 1937.

Titanium Company Offers New 'Titanox' Pigment

The Titanium Pigment Corporation, this city, has introduced a new pigment, "Titanox-A No. 24," to meet the need for a titanium dioxide pigment of high tinting strength which will impart good resistance to fading and chalking in pigmented finishes. It is said to possess tinting strength and opacity equal to that of the most opaque titanium dioxide, yet impart greater resistance to fading and chalking than has been hitherto attainable with this high degree of opacity. Formulations of enamels and exterior paints especially well suit the new pigment, it is stated.

Paint Ad and Promotion Men to Meet June 12

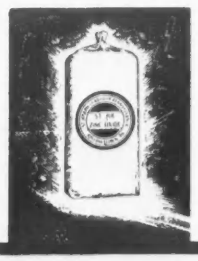
The second annual convention of the advertising and sales promotion managers of the paint and varnish industry will be held June 12, 1940, at the headquarters of the National Paint, Varnish and Lacquer Association, Washington. The meet had previously been set for May 29.

FROM ORE TO OXIDE

The Story of St. Joe Zinc Oxide — Number 8 of a Series

THE BAG ROOM

The zinc oxide fumes are received from the oxidizing zone at the furnace into a great number of huge cloth bags which are suspended vertically and act as filters. The zinc oxide particles cling loosely together and are caught in the meshes of the cloth bags. At frequent intervals the bags are shaken automatically by mechanical means. The entrapped zinc oxide falls into enclosed hoppers from which it is elevated continuously by mechanical conveyors to collecting bins above the screens. From the bins the zinc oxide is then conveyed to screens where it is caused to pass through a very fine mesh screen. From the screening operation it passes into packing machines where it is packed into either fifty pound heavy paper bags or wooden barrels as the consumer may require.



ST. JOSEPH LEAD COMPANY

250 PARK AVENUE • NEW YORK

ELdorado 5-3200

PLANT AND LABORATORY, JOSEPHTOWN, BEAVER COUNTY, PENNSYLVANIA

Oils, Fats, and Waxes

Cottonseed Oil and Lard Futures Sharply Lower—Linseed Oil Reduced by Crushers—Decline in Soybeans Reflected in Easier Oil Prices—Sperm Oil Advanced

Trade in the general list of oils, fats and greases was quiet last week, a sharp decline in cottonseed oil and lard futures making consumers of other oils and fats disposed to curtail purchases or hold aloof for further developments. Here and there a fair inquiry was reported but in the main buying was limited to small lots, the movement of such quantities for the week being unimportant in the aggregate. The price trend was downward.

A development of interest in vegetable oils was the shading of prices on spot chinawood oil by local holders, the somewhat freer offerings apparently being due to the weakness prevailing in other commodities. Supplies of perilla oil on spot appeared to have been cleaned up and offerings from abroad were light. In connection with the outlook for perilla oil it is of interest to note that production of perilla seed in Manchuria last year was officially placed at only 154,000,000 pounds, or more than 100,000,000 pounds less than in the previous year.

Chinawood Oil

The local chinawood oil situation was easier to the extent that holders of spot oil in some instances were disposed to shade quotations owing to the weakness prevailing in some other commodities. Sales were reported at 22½c. per pound, tankcar basis. This compared with an inside price in the previous week of 23c. per pound. Leading interests continued to maintain prices at the levels ruling in recent preceding weeks, and offerings from all sources were light, not only on spot but also for future shipment. According to radiograms from consular sources, stocks at Hankow at the close of April were approximately 2,671 short tons; Hongkong 125 tons held by independent dealers and about 900 tons held by Chinese government representatives.

San Francisco, May 15—Chinawood oil fairly active. Quoted 20½c. to 21½c. per pound in tankcars, f.o.b. Pacific Coast ports, with sales on this basis.

Markets in China

Hankow tung oil trade quiet in April; sales approximately 205 short tons to one firm, according to a radiogram to the Department of Commerce, Washington, from the American Consulate General at Hankow. Prices decreased from 255 Chinese dollars per picul of 133⅓ pounds (US$0.111 per pound) to 230 Chinese dollars (US$0.10 per pound) at end of April. Receipts at Hankow for the month consisted of small lots of adulterated oil. Exports during April totalled 896 short tons. Stocks at Hankow at end of April approximately 2,671 short tons.

Hongkong prices decreased from 129 Hongkong dollars per picul of 133⅓ pounds in bulk (US$0.212 per pound) the end of March to 118 Hongkong dollars per picul (US$0.189 per pound), as reported in a radiogram from the American Consulate General at Hongkong. Stocks at Hongkong end of April 125 tons held by independent dealers and about 900 tons held by Chinese Government representatives. After May 10, 1940, all shipments of tung oil passing through Haiphong required Chinese customs declarations.

Vegetable Oils

Castor, Dehydrated.—Movement on contracts held up well. New business fairly active. Market steady.

Coconut.—Few transactions reported in crude or refined oil. Tone fairly steady.

Corn.—Buyers held off owing to weakness in competing products. Offerings light.

Cottonseed.—Edible oil steady. Fair demand for moderate quantities.

Price Changes

Advanced

Olive oil, denatured, 10c. per gal.
Sperm oil, 3-10c. per lb.

Reduced

Beeswax, crude, yellow, African, 1c. per lb.
Brazilian, 1c. per lb.
bleached, white, 3c. per lb.
refined, 2c. per lb.
Carnauba wax, No. 3 chalky, 4c. per lb.
No. 2 North Country, 2c. per lb.
No. 3 North Country, 2c. per lb.
No. 1 yellow, 7c. per lb.
No. 2 yellow, 7c. per lb.
refined, 3c. per lb.
Chinawood oil, ½c. per lb.
Lard, 25c. to 75c. per 100 lbs.
Lard oil, ¼c. per lb.
Linseed oil, 2-10c. per lb.
Neatsfoot oil, ¼c. to ½c. per lb.
Soybean oil, ⅜c. per lb.
Stearin, ¼c. per lb.
Tallow oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
102.8	**103.2**	**103.6**	**98.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Oiticica. — Increased inquiry reported in some quarters. Offerings generally light, spot and futures.

Olive.—Sales reported at $1.15 per gallon for denatured and 8⅜c. for foots. Offerings scarce.

Peanut.—Quotations underwent little change. Crude offerings reported light in all sections.

Perilla.—Spot supplies apparently cleaned up. Offerings of new crop for shipment light. Market nominal.

Rapeseed.—Market quiet. Supplies apparently light on spot. Quotations mainly nominal.

Soybean.—Easier with beans. Crude more active, rather liberal sales being reported at 5⅜c. in tanks at Western mills.

Markets at Other Centers

Chicago, May 17.—Vegetable oils are somewhat easier. Buying light.

COCONUT.—Crude, 2¾c. to 2⅞c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

CORN.—Crude, low acid, 6⅛c. to 6¼c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

SOYBEAN.—Crude, 5¼c. to 5⅜c. per pound, May-forward.

The market for soybeans on the Chicago Board of Trade was lower with outside markets. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing May 17.	Closing May 10.
Cash, No. 2	$1.07⅝	$0.96¼	...	...
May	1.03⅜	.95¼	.96	1.07
July	1.05½	.93	.93⅛	1.05½

San Francisco, May 15.—Nervousness and an erratic movement of trade took charge in vegetable oils, buyers moving in and out of the market in hesitating fashion.

COCONUT.—Offered at 2¾c. to 2⅞c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Movement narrow. A $4 per ton increase in freight rates on copra put into effect last week evidently saved the market from slipping considerably. Copra nominal around 1.55c.

OITICICA.—Raw, liquid oil 18½c. to 19c. per pound in drums, f.o.b. Pacific Coast ports.

PERILLA.—New crop oil not offered for delivery to U. S. Pacific Coast. One lot reported offered for Vancouver delivery at equal approximately 17c. per pound in tankcars, San Francisco.

TEASEED.—Quoted 11½c. per pound in drums; 10½c. per pound in tankcars, f.o.b. San Francisco for moderate acid specification.

Linseed Oil

Changes in flaxseed quotations were frequent and sharp. Linseed oil and meal lower. Cake steady. No flaxseed received at New York from Argentina last week. India shipped 316,000 bushels to Europe.

Flaxseed—DULUTH, May 17.—Flax arrivals here are generally going into storage for later shipment. Supplies in store here total 121,000 bushels compared to 2,000 bushels last year. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.00½	$1.97	$1.91
Monday	2.00	1.96	1.86
Tuesday	1.91½	1.85½	1.82
Wednesday	1.89	1.84	1.78½
Thursday	1.91	1.86	1.77½
Friday	1.97	1.91	1.81

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940	1939.
This week	58,373	.....	226,687	.....
Since Aug. 1..	4,162,884	1,587,266	4,260,984	1,589,951

MINNEAPOLIS, May 17.—Cash flax demand still is good despite more liberal receipts. Bulk of the terminal movement is towards the lakes. Two small cargoes already have been shipped and further lots are being accumulated.

With most of the new crop seeded farmers are selling their reserves quite freely. The break in prices may shut off the movement to some extent. At the moment the general situation is rather demoralized.

Stocks in local public elevators decreased 40,000 bushels in three days. No

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, Cincinnati.

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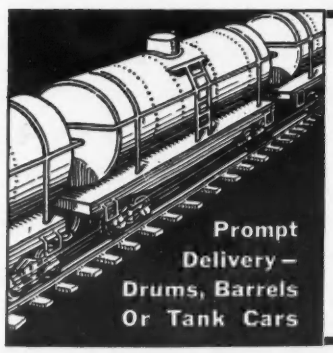
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further deliveries on May contracts. Outside crushers continue to buy local track offers quite freely. One of the cargoes shipped out of Duluth this week was destined for Chicago. One shipped earlier was destined for eastern points.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.98½	$1.93½	$1.87½
Monday	1.99	1.94	1.81½
Tuesday	1.89½	1.84½	1.77
Wednesday	1.87	1.82	1.74½
Thursday	1.91	1.86	1.77½
Friday	1.95	1.90	1.79

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	42,000	19,200	44,800	12,000
Since Sept. 1	4,318,600	1,661,540	2,091,300	636,900

WINNIPEG, May 10.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$2.08½	$2.08½	$2.11
Monday	*	...	...
Tuesday	1.98½	1.98½	2.01
Wednesday	1.88½	1.88½	1.91
Thursday	1.78½	1.78½	1.81
Friday	1.68½	1.63½	1.71

* Holiday.

BUENOS AIRES, May 17.—Opening prices per bushel on June contracts were:—

	Last week.	Last year.
Saturday	$1.36⅞	$1.14¼
Monday	1.36⅞	1.14¼
Tuesday	1.32⅝	1.14⅜
Wednesday	1.26⅛	1.12¾
Thursday	1.22⅛	1.12⅝
Friday	1.23⅜	1.12⅝

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	335,000	.....	465,000
United Kingdom	268,000	.....	4,000
Continent	539,000	205,000	354,000
Orders	.....	.....	47,000
Others	*284,000	8,000	8,000
Totals	1,426,000	213,000	878,000

* Includes 268,000 bushels to Canada.

Since January 1

To—	Bushels— This year.	Last year.
United States	7,911,000	6,491,000
United Kingdom	5,321,000	532,000
Continent	10,038,000	9,983,000
Orders	598,000	5,512,000
Others	438,000	1,206,000
Totals	24,306,000	23,718,000

Visible Supply

	Bushels.
Last week	5,906,000
Previous week	5,906,000
Last year	8,268,000

HULL, May 17.—La Plata flaxseed quoted at £16½ per long ton; Bombay, £20½.

Linseed Oil.—The trend of flaxseed prices was downward last week and the tone of the local market for linseed oil was easier. Prices were reduced two points by crushers, quotations late in the week ranging from 9.8c. to 10c. per pound in tankcars. At the decline business showed improvement. Conflicting reports were current as to the volume of sales for the week but the total was said by some to have shown rather substantial improvement over recent preceding weeks. There was a further expansion in the movement of oil from the mills on contracts previously placed. Northwestern advices reported a good demand for cash seed. Receipts increased as farmers in not a few instances have completed planting of the new crop.

MINNEAPOLIS, May 17.—Linseed oil trade is routine. Perhaps the break in prices brought in a little trade, but so far no reports are available. Shipping instructions on maturing contracts good. Crushers are operating about 70 percent of capacity. Stocks of oil are decreasing gradually and are expected to decrease faster as soon as weather improves. Quotations on carload lots f.o.b. Minneapolis, tankcars, 10c. per pound; cooperage, 10.6c. per pound; warehouse lots, 11c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	3,880,000	1,620,000
Since Sept. 1	104,520,000	55,407,332

SAN FRANCISCO, May 15.—Reports from southern California state new crop flax is moving into mills; San Francisco Bay area crushers expect shipments to arrive first of next week. The new crop will undoubtedly be largest on record; some 70,000 tons of flax expected to be harvested against about 50,000 tons last season. Oil quiet and easier. Tankcars, 9.4c. per pound; drum car lots ex mill, 9.8c.; drum lots ex warehouse, 10.4c.

CHICAGO, May 17.—Linseed oil quiet. Tankcar, 10c. per pound; car lots, 10.6c.; less than car lots, 11c.

LONDON, May 17.—Linseed oil, 42s. 6d. per cwt.

Cake and Meal.—Meal available at concessions of $2 per ton. Cake steady. Trade quiet.

MINNEAPOLIS, May 17.—Meal buying is limited and so is selling. Crushers have no surplus. Shipping instructions are prompt and some of the crushers are unable to take care of them as they come in. Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $31 to $31.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	3,200,000	1,440,000
Since Sept. 1	142,610,000	75,586,650

CHICAGO, May 17. — Linseed meal fairly active. Round lots, $31 per ton, largely nominal; car lots, $31 to $31.50; less than car lots, $33 to $33.50.

Cottonseed Oil

Refined cottonseed oil futures in the local market had a downward trend. Trading more active. Southern markets for cottonseed products generally quiet.

Cottonseed Oil.—The trend of refined cottonseed oil futures in the local market was mainly downward last week. Sharp declines in lard, cotton and grain as well as other commodities on the war news led to heavy liquidation of cottonseed oil for account of longs here and in other parts of the country. Bears hammered and uncovered stop loss orders, the execution of which hastened the downward movement of prices. On the decline commission houses, local and other trade interests as well as shorts covered, causing moderate upturns.

Further tenders on May contracts brought the total for the month thus far up to 52. Switching from near to distant positions was something of a feature of the trading at times. The monthly cottonseed report from the Census Bureau made a rather better showing than some in the trade had expected, the disappearance of refined oil for April being 259,924 barrels against 243,087 barrels in the previous month and 204,924 barrels in the same month last year. The visible supply showed a decrease during April of 210,600 barrels against a decrease of 124,700 barrels in the same month last year. The total visible at the close of April was 2,053,600 barrels against 2,246,200 barrels last year.

Reports concerning the progress of the cotton crop were considered by some as rather more favorable. According to the weekly government report, planting in Texas is well under way in the Panhandle and is making rapid advance in other sections where early planted is up to fair to good stands.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 11 to May 17, inclusive, comprise 1,078 contracts, a total of 66,080,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	6.95	6.37	.....
July	7.13	6.33	6.45@6.50
September	7.23	6.35	6.57 sale
October	7.18	6.42	6.55@6.58
November	6.50	6.50	6.55 nom.
December	7.27	6.51	6.62@6.64

Cake and Meal.—Southern markets generally quiet. Offerings light. Quotations mainly nominal.

Markets at Other Centers

Atlanta, May 15. — Cottonseed meal, $31.50 to $32 per ton at Southeastern mills; crude oil, 6c. per pound. Replanting cotton extensive.

Memphis, May 16.—Crude cottonseed oil trading at standstill, buyers and sellers awaiting further developments. Closing meal quotations on the Memphis exchange were as follows:—

	May 9.	May 16.
May	$29.60@30.00	$28.50@29.25
July	27.50@—	26.20@—
September	25.20@25.50	23.85@24.25
October	23.85@—	22.80@—
December	23.50@—	22.55@22.80

Fatty Acids

Capric Acid.—Quotations unchanged. Tone steady. Demand fair.

Castor Oil. — Contracts movement held up well. New business quieter. Market steady.

Coconut Oil.—Fatty acid quotations generally maintained. Fair movement to local and other consumers.

Cottonseed Oil.—Quieter owing to drop in raw material. Fatty acid prices steady.

Myristic Acid.—Steady at recently reduced prices. Trade routine.

Red Oil.—Moderate contract movement. New business quieter. Prices steady.

Stearic Acid.—Fair movement on contracts and transient orders. Tone steady.

Chicago—May 17

Fatty acids quiet and generally steady.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c.

STEARIC ACID. — Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar, nominal; 10½c. to 10¾c., barrels, car lots; 11c. to 11¼c., barrels, less than car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 2c.

Fish Oils

Menhaden.—Demand for refined oil apparently limited to small lots. Market steady.

Sardine.—Refined oil steady, former quotations being repeated. Fair inquiry.

Sperm.—Quotations up three points. Increased movement on contracts and transient orders.

Whale.—Fair movement of refined oil on contracts. New business quiet. Tone steady.

Markets at Other Centers

Baltimore, May 15.—Crude menhaden oil dull. Last sales at 35 cents per gallon, spot. No transactions on when-and-if-made basis; quoted nominally 30 cents. Fishing off Florida and North Carolina poor.

San Francisco, May 15.—Resellers are moving spot sardine oil; fairly substantial sale reported at 42 cents per gallon in tankcars, f.o.b. San Francisco Bay area. Offerings today at 43 and 44 cents. Alaska will start up in June. The 1939-40 California season yielded 17,389,992 gallons, as against 17,485,176 gallons for the previous season.

Fats and Greases

Grease.—Fair request for comparatively small quantities. Spot stocks reported light. Market steady.

CHICAGO, May 17. — Choice white grease, tierces, 4⅜c. to 4½c. per pound; yellow, 4⅛c. to 4¼c.

Lard.—Cash market easier with futures. Somewhat better domestic demand. Export movement light.

CHICAGO, May 17.—Domestic trade in cash lard quiet. Shipping demand fair. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing— May 17.	May 10.
Cash	$6.42	$5.37	$5.87	$6.42
May	6.37	5.32	5.52	6.37
June	6.62	5.45	5.70	6.60

Stearin.—Trade quiet. Offerings reported light. Nominal quotations, ⅛c. to ¼c. lower.

CHICAGO, May 17.—Prime oleo stearin, barrels, 5¾c. to 6c. per pound; lard, 6¾c.

Tallow. — Moderate sales reported early in week at 4⅝c. per pound for extra. Tone easy later. Buyers holding off for new developments.

CHICAGO, May 17.—Edible tallow, tierces, 4⅝c. to 4¾c. per pound; inedible, prime, 4½c. to 4¾c.; special, 4⅛c. to 4¼c.; No. 1, 4⅛c.

There was no trading in tallow futures on the New York Produce Exchange from May 11 to May 17, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
July	...	...	4.40 nom.
September	...	...	4.40 nom.

Animal Oils

Lard.—Easier with basic material. Quotations down ¼c. Fair demand.

CHICAGO, May 17.—No. 1 lard oil, 8¼c. to 8½c. per pound.

Neatsfoot. — Consumers disposed to buy for current needs only. Prices ¼c. to ½c. lower.

Oleo.—Quotations underwent little change. Offerings light. Trade fair.

CHICAGO, May 17.—Prime oleo oil, 8c. to 8¼c. per pound.

Tallow.—Quotations ¼c. lower with raw material. Trade quiet.

CHICAGO, May 17.—Acidless tallow oil, 8¼c. to 8½c. per pound.

Waxes

Bayberry. — Quiet. Almost dull. Fairly steady prices.

Bees.—Easy. Crude African down to 24c. to 25c. per pound; Brazilian, 24c. to 25c. A buyers' market. Bleached and refined yellow easier and lower. White, slabs, 5-case lots, 35c.; 1,000-pound lots, 34c.; cakes, 36c. for 5-case lots; 1,000 pounds, 35c.; discs, 5-case lots, 37c.; 1,000 pounds, 36c.

Candelilla.—About firm. No change in price.

Carnauba. — Market down. New quotations are:—No. 3 chalky, 1-ton lots, 60c. to 60½c. per pound; 5-bag lots, 60½c. to 61c.; 1-bag lots, 61c. to 61½c.; No. 3 North Country, ton lots, 64c. to 64½c.; 5-bag lots, 64½c. to 65c.; 1-bag lots, 65c. to 65½c.; refined, 70c. to 71c.; No. 1 yellow, ton lots, 76c. to 76½c.; 5-bag lots, 76½c. to 77c.; 1-bag lots, 77c. to 77½c.

Japan.—Many brands lead to keen competition and wide spread in prices. Market not especially active.

Trade Briefs

Ralph F. Rogan has been named vice-president in charge of advertising and promotion for the Procter & Gamble Company, Cincinnati.

G. A. Wharry, of Wharry & Co., broker in vegetable oils and naval stores, returned last week from an extended business trip in the West.

W. J. Monran has been assigned to the technical service department of the Philadelphia office of the Archer-Daniels-Midland Company, St. Paul.

Oil Trades Outing Set

The annual sports outing of the Oil Trades Association of New York will be held June 11 at the Pelham Country Club, Pelham Manor, New York. There will be golf, baseball, tennis, swimming and sports activities. The outing will be held rain or shine.

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Cook Heads Revision Committee

—*Continued from page* 34

place delinquent members of the committee of revision on the recommendation of the general chairman and of the chairman of the appropriate subcommittee.

That a committee be appointed to make a thorough study of the constitution and by-laws.

That the board of trustees make periodical public reports of pharmacopeial activities and financial status.

That the subcommittee on scope provide the medical and pharmacal press with explanations of admissions and deletions.

That the recognition of articles of pharmaceutical necessity, rather than of therapeutic value, be left to the committee of revision.

Revision Work

A decade, which he characterized as one of greater activity and greater change and progress, with particular reference to the new Federal drug law, was reviewed in respect of revision work by E. Fullerton Cook, chairman of the general committee. Distribution of 10,351 packages of referance standards was reported. Adoption of the pharmacopeia by five Latin American countries and its consideration by some eight others were noted. The development of the idea of public hearings was outlined. Attention was given to the institutional and geographical changes from decade to decade in the personnel of the revision committee.

Mr. Cook recommended that delegates be required to be members of the body which they represent. This was referred to the committee on constitution and by-laws with a favorable endorsement. The convention agreed in principle with his recommendations that an executive assistant to the revision chairman be provided and that independent U.S.P. headquarters be set up in Washington. These matters were referred to the board of trustees with power to act.

Mr. Cook, Dr. Bastedo, Dr. Morris Fishbein, and others speaking in the convention, expressed appreciation of the necessity for and the value of the cooperative experimental and other research work performed in the laboratories of drug manufacturers. Mr. Cook said that this work during the past decade could be conservatively valued at $500,000.

In resolutions adopted by the convention the committee of revision was instructed to give consideration to the inclusion in the next pharmacopeia of information that would assist in meeting the labeling requirements of Federal and State laws; information on proper packaging, preservation, and storage of drugs including time limits in respect of effectiveness; as many synonyms as are in common use. It was also advised to consider setting up a subcommittee on the legal phases of the pharmacopeia in relation to nomenclature, dosage, labeling, and other statutory requirements.

The revision committee was instructed to consider the publication of lists of pharmacopeial research problems in order that the greatest amount of independent work on these might be got.

The board of trustees was authorized to study and act upon suggestions that the pharmacopeia include more information on drugs of particular value in tropical medicine, with special reference to the differences in the activity of drugs and in the prognosis of certain diseases in tropical and temperate regions, and to the packaging of drugs for use in the tropics.

Pharmacopeial Relations

Relations of the pharmacopeia to the medical profession were discussed by Dr. Morris Fishbein of the American Medical Association. The convention endorsed his suggestions that the constitution and by-laws be revised with the purpose of developing the best possible pharmacopeia from the point of view of public welfare. This suggestion looked to the creation of a representative convention of a more efficient size; the equitable and adequate recognition of medicine, pharmacy, governmental divisions, dentistry, veterinary medicine, and manufacturing pharmacy; the selection of experts for revision work; the continuous or overlapping tenure of office in the governing body; revision at five-year intervals with interim supplements; study of the fundamentals of admission of articles to the pharmacopeia; and the setting up of a full-time independent executive staff. These matters were referred to the authorized committee on constitution and by-laws which is to report at a special session within two years.

The convention referred to the board of trustees for serious consideration Dr. Fishbein's comment on the classification of vitamins as foods rather than drugs. It was his view that this was a potentially detrimental trend. He held that vitamins used as drugs should comply with drug standards and that the addition of vitamins to foods should be limited to such proportions as are natural in specific foods of best quality. He felt that the trend in vitamins might lead to the "fortification" of foods with potent drugs of many kinds. Endorsement was given also to Dr. Fishbein's

Dr. J. H. Beal
Retiring Chairman of Board of Trustees

suggestion that the board of trustees give more publicity to revision work.

The role of pharmacy over the decades of pharmacopeial revision was reviewed by E. F. Kelly, of the American Pharmaceutical Association. The convention endorsed his suggestion that shorter titles be used for U.S.P. articles and that closer cooperation of physicians and pharmacists be developed for the better service of the public health.

Legal aspects of the pharmacopeia were discussed by W. G. Campbell, chief of the Food and Drug Administration. He dwelt particularly on the quasi-legislative status of pharmacopeial revision, and compared the definite recognition of this by Congress with the restrictions laid upon the administrative body in making regulations under the food, drug, and cosmetic act. The cooperation of the revision committee and of the drug industry was commended by Mr. Campbell, and he said that the administration had no wish to intrude in the work of revision but felt free to comment when the results were regarded to fall short of the purpose of the law. Data acquired by F.D.A. research were always and fully available to the revision committee, he said.

The convention wholeheartedly subscribed to Mr. Campbell's views that the relations of his office and the pharmacopeial committee should insist on the right of each to function independently but to cooperate fully for the promotion of the welfare of the public.

Report of Trustees

The difference between the functions of the board of trustees and those of the committee of revision was explained by Dr. J. H. Beal in his report as chairman of the board. He told of the gratifying change in the financial status of the convention which had made it possible in the past decade for the board to meet almost every desire of the committee for funds for enlarged and

—*Continued on page* 50

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(Continued from May 13 issue)

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Carboxylic acid esters of 2-ethylbutanol-1
Cellosolve
Cellosolve acetate
Chloral alcoholate
Chlorobenzyl alcohol
Chloroform
Coaltar distillates
Coaltar naphthas
Cyclohexane
Cyclohexanol
Cyclohexanol acetate
Cyclohexanone
Cyclohexanyl acetate
Cyclohexene-1-one
Cyclopentanol
DEC
ecahydronaphthalene
Decalin
Decamphored turpentine
Diacetin
Diacetone alcohol
Diamylene
Diatol
Dibutyl phthalate
Dichlohydrin
Dichloroacetone
Dichlorobenzene
Dichloroethyl ether
Dichloroethylene
Dicresylglyceryl ether
Dicyclohexyltoluene-sulphonamide
Diethyl carbonate
Diethyl ketone
Diethyl oxalate
Diethyl phthalate
Diethyl tartrate
Diethylamine
Diethylbarbituric acid
Diethylcarbitol
Diethyl-1:4-dioxane
Diethyldiphenylurea
Diethylene oxide
Diethyleneglycol
Diethyleneglycol mono-ethylether
Diethylglycol mono-acetate
Diethylmelonylurea
Diformin
Diglycol diacetate
Dihydroxydiphenyldi-methylmethane
Di-isobutyl ketone
Dimethyl phthalate
Dimethylcyclohexanone
Dimethylcyclohexanone oxalate
Dioxan
1:4-Dioxane
Dipentene
Dissolvan
Ethanol
Ethyl acetate
Ethyl acetoacetate
Ethyl acetylglycollate
Ethyl alcohol, anhydrous
Ethyl benzoate
2-Ethyl butylacetate
Ethyl butylcarbonate
Ethyl butyrate
Ethyl chloracetate
Ethyl ether
Ethyl formate
Ethyl lactate
Ethyl oxybutyrate
Ethyl propionate
2-Ethylbutanol
Ethylene chloride
Ethylene dibromide
Ethylene dichloride
Ethyleneglycol
Ethyleneglycol monoacetate
Ethyleneglycol monoethylether
Ethylglycerolchlorhydrin
Ethylglycol
Ethylglycol acetate
Ethylidene acetobenzoate
Furfural
Furfuryl alcohol
Fusel oil
Gasoline
Heptane
Hercosol
Hexalin
Hexalin acetate
Hexalin alcohol
Hexane
Hexanol, normal
Hexyl acetate, secondary
Hi-flash naphtha
Hexone
Indene
Isobutanol
Isobutylethyl ketone
Isopropanol
Isopropyl acetate
Isopropyl alcohol
Isopropyl ether
Isopropyl lactate
Ketones
Kerosene
Lactones of oxyfatty acids
Methanol
Methyl acetate
Methyl acetone
Methyl acetoacetate
Methyl benzoate
Methyl chloride
Methylamine
Methylamyl acetate
Methylamyl alcohol
Methylanone
Methylcarbitol
Methylcarbitol acetate
Methylcellosolve
Methylcellosolve acetate
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanone
Methyl-normal-amyl ketone
Mineral spirits
Mixed higher etherified alcohols and their derivatives
Monoacetin
Monoacetylethylanilin
Monochlorhydrin
Monochlorhydrin diacetate
Monochlorhydrin monoacetate
Monochlorobenzene
Monochloronaphthalene
Monoformin
2-50W Naphthal
Naphthols
Naphthyl acetate
Naphthyl ether
Nitrobutanes
Nitroethane
Nitromethane
Octyl acetate
Octyl alcohol
Padiscol
Pentasol
Pentone
Perchloroethylene
Perspirit
Petrohol
Petrol
Petroleum distillates
Petroleum ether
Petroleum naphthas
Petroleum spirits
Pinatine
Pine oil
Pinesol No. 2
Pinetar oil
Polyhydroxy alcohols
Propyl acetate
Propyl alcohol
Propyl benzoate
Propyl furoate
Propylene dichloride
Phopylene oxide
Propyleneglycol
Rosin spirit
Siola turps
Shale spirits
Sodium borate
Solvent E13, E33, GC, and RS200.
Solvent naphtha
Solvesso
Solvol
Tamasol
Tar spirits
Terebene
Terpenes
Terpine
Terpineol
Tetrachloroethane
Tetrocol
Tetraform
Tetralin
Trichlorobenzene
Trichloroethylene
Triethyleneglycol
Toluol
Toluene
Turpentine
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V.M. & P. naphtha
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White spirits
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Ammonium betatetrahydronaphthalenesulphonate
Ammonium linoleate
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Butyl acetylricinoleate
Butyl ricinoleate
Castor oil, acetylated
Castor oil, sulphonated
Copper oleate
4-Cyclohexylmethylcyclohexyloxyacetic acid sodium salt
Daxad
Decylguanidin hydrochloride
Dibutyl ricinoleicsulphonate
Diethylaminobetaoxypropylamine
Diethyleneglycol
Diglycol stearate
Dipentene No. 122
Dodecylamidobetaine chloride
Dodecylguanidin hydrochloride
Dodecylphenylaminomethylsalicylic acid
Dodecylphenylaminosuccinic acid, normal
Dodecylsulphonylglycin
Ethanolamine
Ethyleneglycol
Gamma-4-isoamylcyclohexylbutyric acid
Gamma-4-normal-octylcyclohexylbutyric acid
Gamma-4-secondary-butylcyclohexylbutyric acid
Lead-titanium tungstate-resinate
Lecithin
Lecithin hydrate
Hercosol No. 80
Hydromalin
Linseed oil, blown
Linseed oil fatty acids
Lorol
Malic acid
Methyl oleicsulphonate
Methyldodecylaminoacetic acid
Methyldodecylaminomethylsalicylic acid
Methyldodecylaminosuccinic acid
Methyloleylaminoacetic acid
Methyloleylaminosuccinic acid

(To be continued)

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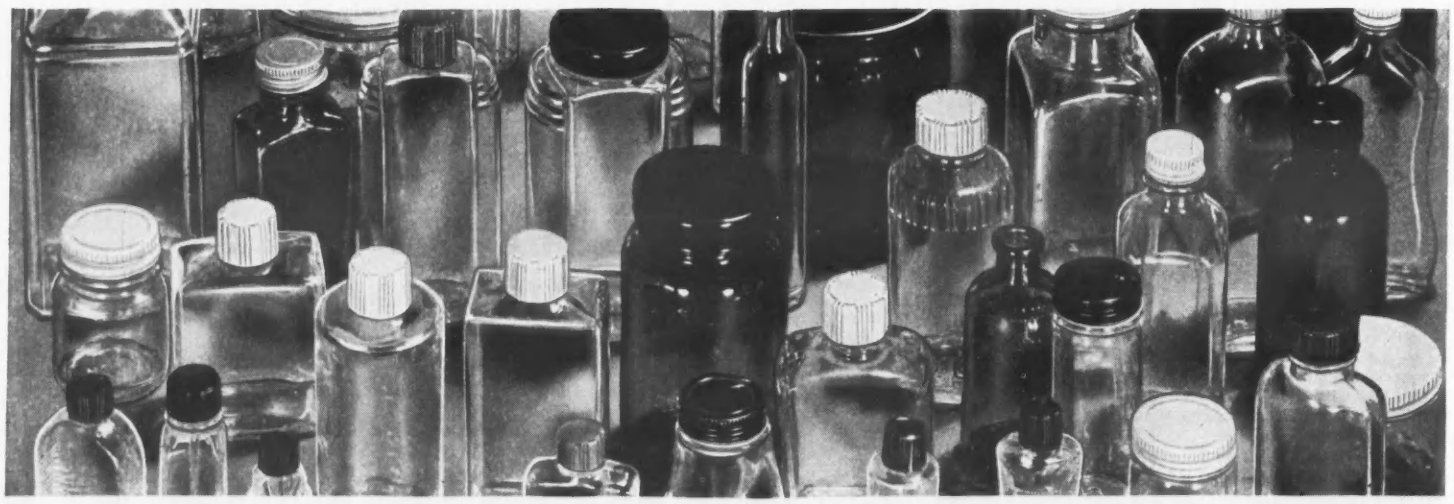

Drugs, Fine Chemicals

Netherlands Fall to Germany — Eliminated as Source of Quinine — Java to Supply — Quicksilver in Sharp Upturn — Corn Syrup Rises and Falls

The German invader of the Netherlands conquered last week; the Dutch high command laid down its arms in surrender. This at once removed Holland as a source of manufactures destined for the United States, especially as concerned quinine and other cinchona bark derivatives. The event made this country dependent on cinchona bark and quinine imported direct from the Netherlands East Indies by the domestic quinine manufacturers. The Trade Commissioner for the Netherlands stated last week that Java would supply all United States needs. No prices were changed last week but the market was subject to close control of quantities sold and to whom sold.

Quicksilver advanced sharply with the turn of events in the Low Countries and there seemed to be a ready market for goods offered. Mercurials gained in firmness without changing in price. Iodides and iodine were steady. Stocks of crude in this country offset substantially the delays in transporting supplies from Chile.

Castor bean prices were lower without oil being affected as yet. Codliver oil remained strong but demand was moderate. The future of supplies could scarcely be more indeterminate. Bromides came in for a good call at steady prices. Alcohol was firm and called for steadily. Glycerin statistics for the first quarter became available.

Price Changes

Advanced

Quicksilver, $14 per flask.
Quinine surcharge, 1c. per oz.

Reduced

Castor beans, $3 per ton.
Corn syrup, 10c. per 100 lbs.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
200.8	**200.2**	**199.3**	**183.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Trade very good. Normal movement at full prices.

Acetone.—Demand likely to gain. Expanded consumption due.

Acetophenetidin. — Demand maintained. Little shrinkage of interest.

Acid, Acetylsalicylic. — Movement steady. Prices well maintained.

Acid, Boric.—Price stability pronounced. Shipments up to schedule.

Acid, Citric.—Warm weather gently stimulates demand.

Acid, Tartaric.—Strong market. European sources of crude may be cut off at any time. Demand good. Likely to gain.

Alcohol.—Firm. Production cost in upward cycle due to raw material situation. Demand up to recent volume.

Amyl Acetate.—Moving steadily. Firm prices.

Antipyrene.—Moderate movement. No price unsettlement.

Atropine.—About steady. Limited competition. Prices hold.

Betanaphthol Benzoate.—Quiet. Jobbing demand.

Bismuth Metal and Sales.—Prices and market stable. Undertones firm.

Bismuth-Ammonia Citrate. — Very good call. About normal. Firm prices.

Bismuth-Betanaphthol.—Little competition. Steady market and prices.

Borax.—Completion of half-year contracts expected to conform to schedule.

Butyl Acetate.—Very firm undertones. Sustained demand.

Cadmium.—Outlook for consumption improving. War may raise requirements.

Caffeine.—Resale lots commanding smart premiums over producers' quotations. Demand good.

Calcium Bromide.—Fully normal request. Fully steady prices.

Calcium Gluconate. — Inquiry and sales satisfactory. Steady prices.

Calcium Lactate.—Demand ordinary and about normal.

Camphor.—Strong. Prompt deliveries difficult to get. Domestic synthetic production well sold up.

Castor Oil.—Beans lower. Price $65 to $68 per ton, c&f New York. Buyers reserved. Oil assumes easier position. Bean price prevails on July shipments. Crushers still working high cost raw material.

CHICAGO, May 16.—Castor oil easier. Prices are:—Cold pressed, U.S.P., barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 17⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Chloral Hydrate.—Steady. Demand quiet, ordinary and routine.

Chloroform.—Routine demand at normal levels. Quotations firm.

Cinchonidine. — Shipments from Holland stopped. Home makers' surcharge 4c. per ounce.

Cinchonine. — Surrender of Holland to German invaders ends exports. Home makers' surcharge 4c. per ounce.

Cinchophen. — Steady at late decline. Demand sustained.

Cocaine.—War conditions may slow down raw material arrivals.

Cocoa Butter.—Firming up. Foreign competition to be less. Domestic production can fill wants.

Codeine.—Danger of Mediterranean Sea being closed makes raw material stocks now here extremely important.

Codliver Oil.—Very firm. Future uncertain. Present demand conservative. Outlook for future stocks poor. Other liver oils may gain added importance.

Colchicine. — Small stocks firmly held. Limited inquiry.

Collodion. — Normal demand met promptly at full prices.

Corn Syrup.—Prices lower. Market:—42-degree syrup, $3.22; 43-degree, $3.27. Early in week, prices were 20c. above these limits.

Cream of Tartar.—Conditions suggest further advance. Raw material no easier.

Emetine.—Very strong. Production cost running high.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Proprietary Association, May 20-22, New York.
Purchasing Agents, June 3-6, Cincinnati.
Amer. Pharmaceutical Manufacturers Ass'n, June 9-13, Colo. Springs.
Federal Wholesale Druggists, Sept. 8-11, Hot Springs.
National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.

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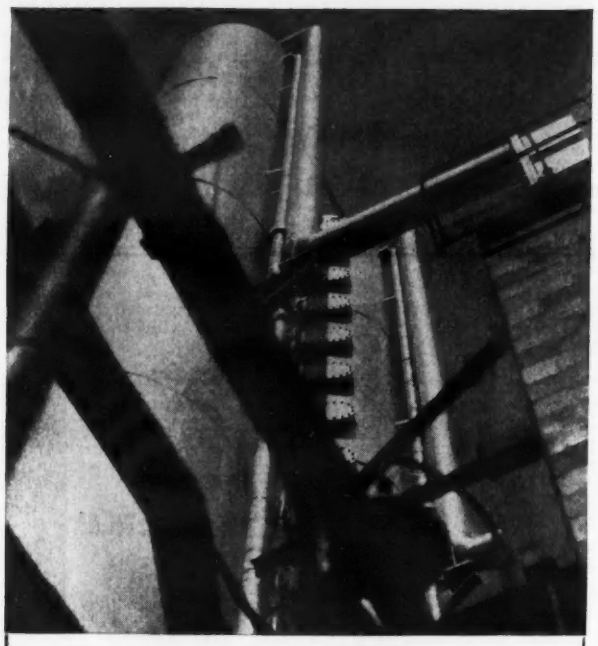

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Aminoacetic Acid N. N. R.
Mandelic Acid U. S. P.
Nicotinic Acid Amide
Methylene Blue U. S. P. (Powder—Crystals)
Neocinchophen U. S. P.
Calcium Mandelate
Guanidine Hydrochloride
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Saligenin

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Eserine.—Most holders report very small stocks and restriction of sales. One direction reports ample supplies. Alkaloid ranging $42 to $45 per ounce as to seller.

Ether. — Entire group subject to steady and satisfactory demand. Quotations indicate market stability.

Ethyl Acetate. — U.S.P. item in steady, conventional call.

Formaldehyde.—Firm. Price in line with production cost. Demand steady.

Glycerin.—Very steady. Foreign situation holds germ of possible stiffening of domestic glycerin position. Prices very firm. Statistics, production first quarters, 1940 and 1939, follow:—

January-March

Crude, 80 percent basis—	Pounds— 1940.	1939.
Production	50,918,256	42,445,808
Stocks*	17,317,317	15,325,092
Imports	1,576,618	2,483,082
Refined—		
Production	18,478,011	22,432,968
Stocks†	32,121,914	48,891,554
Imports	.....	115,082
Dynamite—		
Production	20,589,904	13,234,156
Stocks†	27,780,856	23,543,389

* Preliminary.
† Bureau of the Census.

CHICAGO, May 16.—Glycerin market nervous. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Haarlem Oil.—Came from Holland. None available. Last offered at $5 per gross.

Hydroquinone. — Domestic production ample for home requirements.

Hyoscyamine.—In low supply. Sales curtailed to actual needs.

Iodine and Iodides.—Stocks of crude warehoused, this country, constitute stock to offset slow transportation from Chile. Iodides in steady demand. Prices firm.

Iron Acetate.—Consumption running normally. Prices steady.

Iron Reduced.—Very firm prices. Little tendency to shade. Demand good.

Magnesia.—Consumption at good level. Deliveries reasonably prompt. Prices fully firm.

Mannitol.—Natural manna very expensive. Encourages shift to low cost mannitol.

Menthol.—Not much market action. Chinese prices competitive.

Menthyl Salicylate.—Season of better consumption nearer.

Mercurials.—Raw material in substantial price upturn. Derived products firmer. Demand normal.

Methanol.—Fully firm in price. Demand reasonably active.

Methyl Acetone.—Moving well at full prices, natural and synthetic.

Methylethyl Ketone.—Interest active and steadily improved.

Quicksilver.—Market up to $179 to $181 per flask. Upturn followed European developments. Domestic production sold heavily. Export inquiries current.

San Francisco, May 15.—Quicksilver stronger. Considerable business done for delivery here and in New York. Some sold for export across the Pacific. Aggregated perhaps a thousand flasks. Some production sold through or into August. Quoted at $170 per flask, spot.

Quinidine.—Dutch production shut off when Netherlands bowed to German military forces. Domestic producers surcharge 4c. per ounce.

Quinine.—Netherland factories eliminated when Holland fell to German invader. Leaves domestic producers and Dutch factory in Java the sole source of supply. Government owns 800,000 ounces as war material reserve. Dutch trade commissioner assures ample shipments, bark and quinine to United States. Surcharge now 4c. per ounce.

Quinine-Urea Hydrochloride.—Domestic producers surcharge 4c. per ounce. Holland production eliminated.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce— Nitrate, Cents.	Bullion— New York, Cents.	London, Pence.
Saturday	26⅞	34¾	21⅞
Monday	26⅞	34¾	22½
Tuesday	26⅞	34¾	22½
Wednesday	26⅞	34¾	23⅛
Thursday	26⅞	34¾	23½
Friday	26⅞	34¾	23½

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GLYCYL GLYCOCOLL HYDROCHLORIDE
8—HYDROXYQUINOLIN
ISOBUTYL PARA-AMINOBENZOATE
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN CITRATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
PROPYL PARA-AMINOBENZOATE
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Cook Heads Revision Committee

—*Continued from page* 45

additional work and for meetings which, the board felt, had fully justified their cost.

Similar justification had been evident for the expense connected with the work of the new advisory boards of experts. The providing of reference standards, Dr. Beal, said, had added a new expense, but this was in fair way to turning into a profit.

Continuous performance of revision work had made it expectable that a new revision of the pharmacopeia would be ready for the printer within a year, Dr. Beal said; and all expenses of the eleventh revision had been paid, as well as most of the cost of the twelfth.

In respect of the granting of permission to make use of the text of the pharmacopeia in other publications, Dr. Beal explained the limitations of copyright protection which do not prevent the publication of paraphrases. He said that permissions had been given to publishers on a sliding scale of royalties, substantial in the case of dispensatories and the like and small on handbooks which were in no way substitutes for the pharmacopeia.

Expenses in the past decade had increased; income had decreased; but through economies in publication and a larger net margin the assets had been but little diminished even when the expenditures for the twelfth revision were considered.

Some financial data for the decade were presented by Samuel C. Henry, secretary of the board of trustees. These showed receipts of $4,990 for use of U.S.P. text; a net of $122,500 on sales of the English edition, $4,000 on supplements, $18,250 on reference standards and other materials; and a loss of $4,500 on the Spanish edition.

Samuel L. Hilton, treasurer of the convention, reported that the disbursements during the decade had totaled $302,925.80, and that the present worth of the organization was $115,176.35.

Constitution Amended

The board of trustees offered a number of amendments to the constitution to be effective in the convention. Others were offered under the new rule that advance publication was not necessary. All were discussed in detail; some were revised. Among the changes approved by the convention were:—

Reclassification of membership lists and the recognition of several new members, including the American Pharmaceutical Manufacturers Association.

Recognizing the new Federal governmental division—the Commissioner of Foods and Drugs.

Recognizing the new name of the association of Food and Drug Officials of the United States.

Deleting the no-longer-existing United States Division of Customs.

Permitting amendments to be offered at one session and acted upon at the next.

Providing that a delegate can represent but one delegating body in whole or in part.

Recognizing as entitled to delegates specifically the Territory of Alaska and American nations which have adopted the United States Pharmacopeia.

Providing that a special meeting of the convention should be held pursuant to a petition by not less than fifty delegations, not less than twenty-five of which must be medical and not less than twenty-five pharmacal.

Giving each delegation one vote, to be divided fractionally in case of differing views among its members.

The by-laws were amended by deleting the duplicate reference to the constitutional provision that a delegate could have but one vote on any question. They were amended also to provide:—

That a second revision of the pharmacopeia might be issued within one decade and that the board of trustees also have power to issue interim revisions and supplements.

That five of the fifty members elected to the revision committee need not be present as delegates at the convention which elects them.

A proposal that certain officers of the convention be designated as the presiding officers of the medical and pharmacal "nominating caucuses" was tabled. This is among the matters later referred to the board of trustees for further consideration.

Memorial tribute was paid to forty members of the pharmacopeial body who had died during the decade. These comprised Frank M. Criswell, the last surviving in corporator of the U.S.P. convention; six officers and trustees, thirteen members of the revision committee, eighteen other delegates to the 1930 convention, and two other workers.

A comprehensive compilation of data and suggestions by the pharmacopeial revision committee of the Philadelphia College of Pharmacy and Science was presented to the convention by Prof. Ivor Griffith, dean of the college. The college has extended such assistance in U.S.P. revision work continuously since the 1830 convention.

An apt feature of the convention was the use by President Bastedo of a gavel made of the wood of cascara sagrada grown in the State of Washington. This was presented by Dr. Frank B. Kirby.

Instead of adjourning *sine die*, the convention was adjourned to meet at the call of the board of trustees when the report of the special committee on constitution and by-laws is ready for consideration.

William F. Kemble has retired as treasurer and director of Patino Mines & Enterprises Consolidated, Inc.

Lutein Case Won By Manufacturer

The United States District Court for the Southern District of New York has decided in favor of Hynson, Westcott & Dunning, pharmaceutical manufacturer, Baltimore, in the action brought by the Food and Drug Administration alleging that lutein was being shipped in violation of the food, drug, and cosmetic act because it was represented to have therapeutic value which it did not possess. The official position was that lutein and drugs of closely related nature were therapeutically worthless.

The case in the local Federal court followed seizure of lutein by the administration. The trial was marked by the appearance of a number of medical experts and the presentation of a volume of medical opinion on both sides.

James J. Clark, of the Liggett Drug Company, has been elected to the directorate of the Advertising Club of New York.

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of Norwegian Cod Liver Oil is subjected to control by the state, and the utmost care is taken to see that the detailed regulations for manufacture, cleanliness and hygiene, are rigidly observed in every particular. The regulations for the manufacturing of medicinal cod liver oil are issued in the form of a law and also include export of the oil.
Not a single barrel or bottle of Norwegian medicinal cod liver oil is therefore permitted to be exported before chemical examination of the oil, and also tests for taste and smell, have proved that the oil is genuine, wholesome and pure. As a proof that the oil has been approved by the Control, the consignment is accompanied by a certificate of control, which is yellow for the very best quality. Every importer should in his own interests take care that the consignment is accompanied by the certificate issued by the Norwegian Government Control.
NORWEGIAN COD LIVER OIL
World famous for its supreme quality.
For printed matter, apply to: Reklamefondet for Norsk Medicinfran, P.O. Box 687, Oslo, Norway

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Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Six-hundred-ninety-seventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Allyl-Iodide-Hexamine

(Allyl Iodide Hexamethylenetetramine, Iodoallylenehexamethylenetetramine, 3-Iodopropylenehexamethylenetetramine)

Analysis

Reagent for detecting and determining—
Cadmium

Dibromodiethylamine Hydrobromide

Chemical

Reactant in—
Organic syntheses
Reactant (Brit. 468387) in producing—
Cyclic imines
Reagent (Brit. 468387) for introducing—
Aminoalkyl residue into organic compounds

Docosylamine

Chemical

Starting point (Brit. 457810) in making—
Artificial waxes for polishes, carbon paper, stencils, and textiles by reacting with—
Arachidic chloride
Pyridin
Xylene

Fluoundecylic Acid

Disinfectant

Germicide (Brit. 453830) in—
Disinfectant soaps

Glycerin Monochlorhydrin

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

(Alcool de Monochlorisopropyle, Alcool Monochlorisopropylique, Alphachlorhydrin, Alphamonochlorhydrin, Alphapropenyimonochlorhydrin, Chlorhidrinos de Glicerina, Chlorhydrin, Chlorhydrine Glycerique, Chlorhydrine de la Glycerine, Chlorhydrine de la Glycerol, Chloridrine di Glicerina, Chloroisopropyl Alcohol, 3-Chlor-1:2-propanediol, Glycerol Monochlorhydrin, Glyceryl Monochlorhydrin, Oelsusseschlorhydrin, Scheele'sches Susseschlorhydrin)

(The commercial product is a mixture of the two isomers, alpha and beta, of which alpha is in the greater proportion)

Adhesives

Solvent in—
Adhesive compositions containing cellulose derivatives, gums, or resins

Cellulose Products

Ingredient of—
Solvent mixtures for—
Cellulose acetate
Cellulose acetate (40 percent monochlorohydrin and 60 percent water)
Cellulose acetate (monochlorohydrin-organic bases) (French 607786)
Cellulose derivatives
Process material (U.S. 1295339 and 1502379; French 536188 and 629099) in making—
Cellulose esters and ethers
Solvent for—
Cellulose acetate

Ceramic

Solvent in—
Compositions, containing cellulose acetate and certain natural or artificial gums and resins, used for the production of decorative effects on ceramic ware

Chemical

As a solvent which is—
Colorless
Hygroscopic
Immiscible with hydrocarbons and oils
Miscible with water and a number of organic solvents
Oily liquid
Intermediate in—
Organic syntheses
Solvent for—
Cellulose acetate
Glyceryl phthalate resins
Starting point in making—
Derivatives Novocaine
Esters

Cosmetic

Solvent in—
Nail enamels and lacquers containing certain natural or artificial gums or resins and cellulose derivatives as base material

(To be continued)

Manganese Sulphate

(Manganesii Sulphas, Mangani Sulphas, Manganosulfat, Manganum Sulphuricum, Schwefelsauresmanganoxydul, Solfato di Manganese, Sulfate de Manganese, Sulfato de Manganese, Sulfato Manganesico)

Bituminous

Tempering agent (U.S. 1328310 and 1372467) for—
Asphalt

Building Construction

Process material (U.S. 1328310) in making—
Road paving
Process material (U.S. 1256324) in—
Waterproofing gypsum

Cement

Ingredient (U.S. 1865021) of—
Portland cement

Ceramic

Pigment in making—
Red glazes for porcelain and chinaware

Chemical

Catalyst in various reactions
Catalyst (U.S. 1153502) in making—
Oxygen
Oxidizing agent for various purposes
Oxygen carrier (U.S. 1455448)
Process material in making—
Acetaldehyde (U.S. 1511754)
Alcohol (U.S. 1511754)
Catalyst for oxidation (U.S. 1345323)
Glycerin (U.S. 1511754)
Hydrogen (U.S. 1506323)
Manganese dioxide (U.S. 1154602, 1184854, 1216450, 1218772, 1228359, 1269914, 1275666, 1287041, 1289707, 1304222, 1322000, 1325129, 1330738, 1345323, 1370646, 1415395, 1418246, and 1422211)
Manganese oxide (U.S. 1167966 and 1312488)
Manganese perhydrol (U.S. 1148230)
Manganese phosphate (U.S. 1206075)
Nitric acid (U.S. 1415295)
Sulphuric acid (U.S. 1304222)
Starting point in making—
Manganese salts

Distillery

Treating agent (U.S. 1357138) for—
Slops

Dye

Catalyst (U.S. 1455448) in making—
Anthraquinone
Process material in making—
Chrome brown

Electrical

Process material (U.S. 1216450, 1218772, and 1228359) in making—
Depolarizers for dry batteries

Fertilizer

As a plant nutrient
Ingredient of fertilizer compositions for—
Potatoes (U.S. 1417248)
Tobacco
Vines

Firefighting

Ingredient (U.S. 1126132) of—
Fireproofing composition

Fuel

Process material (U.S. 1506323) in making—
Water gas

Metallurgical

Catalyst (U.S. 1423069) in extracting—
Copper
Ingredient of—
Electrolyte (U.S. 1291310)
Pickling agent for iron and steel (U.S. 1269443)
Tin-plating electrolyte (U.S. 1466126)
Zinc-plating electrolyte (U.S. 1322104)
Ingredient (U.S. 1314839, 1314840, 1314841, and 1314842) of—
Etching agent for—
Brass Nickel
Copper Zinc
Process material (U.S. 1480869) in—
Coloring—
Magnesium
Magnesium alloy
Process material (U.S. 1167966 and 1206075) in—
Rustproofing
Process material (U.S. 1496506) in making—
Rust remover

Military

Ingredient (U.S. 1422211) of—
Gas absorbent
Process material (U.S. 1345323) in making—
Hopcalite

Mining

Flotation agent (U.S. 1203372) in—
Separating zinc sulphide ores from lead sulphide ores

Miscellaneous

Ingredient of—
Etching solution (U.S. 1362159)
Grass remover (U.S. 1496506)
Motion picture screen composition (U.S. 1166569)
Waterproofing composition (U.S. 1256324)
Oxidizing agent for general purposes

Paint and Varnish

Drier for—
Enamels Pale oils
Paints Varnishes
Ingredient of drying compositions for—
Enamels Varnishes
Paints
Luminophore (Brit. 391914) in—
Luminous powders for paints
Process material in making—
Boiled linseed oil
Borate driers
Oxalate driers

Paper

Ingredient (U.S. 1449453) of—
Safety paper
Process material (U.S. 1320043) in making—
Alcohol from cellulose sulphite liquor

Pharmaceutical

In compounding and dispensing practice

Photographic

Ingredient (U.S. 1431900 and 1434453) of—
Antistatic photographic film

Rubber

Catalyst (Brit. 390097) in—
Chlorinating latex

Stone

Ingredient (U.S. 1256324) of—
Artificial stone compositions

Textile

In dyeing and calico printing

Wood

Ingredient of compositions for—
Filling wood (U.S. 1168485)
Fireproofing wood (U.S. 1126132)
Polishing wood (U.S. 1168485)
Staining wood (U.S. 1168485)

Methylheptadecylamine

Chemical

Reactant in—
Organic syntheses
Starting point in making—
Emulsifying agents
Various derivatives
Starting point (Brit. 457810) in making—
Artificial waxes for polishes, carbon paper, stencils, and textiles by reacting with mixtures of—
Amines
Montanic acid
Palmitic acid
Stearic acid

Miscellaneous

Ingredient of—
Dispersing, emulsifying, cleansing, and washing compositions used for various purposes

Octadecylvinyl Sulphoxide

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 446992, 450559, and 454675) in making—
Sulphonic acids with—
Calcium bisulphite
Magnesium bisulphite
Potassium bisulphite
Sodium bisulphite

1-Parahydroxyphenylmorpholine

Petroleum

Gum inhibitor (Brit. 444585) for—
Motor fuels

Trioleylpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, boring oils, drilling oils, cutting oils, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9 in.) containing information similar to that above on 5167 materials • **$10** **Postage paid in U. S. 39c postage elsewhere**

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FROM THE FOUR CORNERS OF THE EARTH

S. B. PENICK & COMPANY . . . .

You can depend on PENICK as YOUR source of supply for:

GUMS
ALKALOIDS
CRUDE BOTANICALS
INSECTICIDE BASES
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SOLID and POWDERED EXTRACTS

S. B. PENICK & COMPANY
132 NASSAU ST., NEW YORK, N.Y. 1228 W. KINZIE ST., CHICAGO

When happenings throughout the world disrupt normal production of botanical raw materials, it is good logic to rely upon a supplier with world-wide facilities and contacts, and a record of pioneering in the field.

S. B. Penick & Company keeps fully advised of the upsets produced by world conditions, and in the endeavor to prevent wide fluctuations in production and prices, a continuous search is made to locate new sources of supply. Not even the most remote corner of the earth is overlooked.

Dependability of supply is one reason why so many plant drug users prefer Penick for botanicals. Important, too, are unexcelled quality, speedy and accurate delivery, substantial packaging, and lowest market prices. Whatever your needs may be, remember . . .

Penick Knows Botanicals From the Roots Up

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Coaltar Chemicals

Other Intermediates

—*Continued from page* 37

R, Salts. — Transactions routine. Prices held firm.

Schaeffer's Salt.—Usual consumers made necessary commitments only.

Thiocarbanilide.—Demand moderate. No change occurred in the prices.

Toluidin. — Price tone firm, shipments held to regular channels.

Xylidin. — Business fairly steady, with no change in the prices.

Coaltar Colors

Business in the market for coaltar colors was irregular last week. A lull in buying from some important textile divisions was offset to some extent by satisfactory commitments in other important consuming channels. Inquiry for exports remained at good levels, and the broadening of the European war was expected to create further demand from countries heretofore supplied by Europe. Price developments were lacking and the tone of the market remained firm.

Imports of coaltar dyes into India during the fourth quarter of 1939 indicated a serious shrinkage as compared with 1938, totaling 1,120,000 pounds, against 3,384,000 pounds in the like period a year ago. The loss was due to elimination of Germany as a source of supply. Imports from the United Kingdom were barely maintained, while those from Switzerland and the United States showed little improvement, according to the American trade commissioner in Calcutta.

McK. & R. Sales Up

Net sales of McKesson & Robbins, Inc., for April were $11,747,337, compared to $11,069,279 in the same month of 1939, an increase of 6.13 percent, according to preliminary figures just released by William J. Wardall, trustee. Sales in the drugs and sundries department were up 9.16 percent for the month over April, 1939, being $8,666,072 against $7,938,881.

CRESYLIC ACID 97-99% Pale

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180 MADISON AVE. Telephones: AShland 4-2265 and 4-2266 NEW YORK

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Industrial Ad Award Given to Allan Brown

An all-day seminar conference to discuss the theme, "How Industrial Advertising Can Reduce the Cost of Selling," marked the thirty-fifth anniversary meeting of the Technical Publicity Association held at the Hotel Pennsylvania today, May 15. Approximately 300 industrial advertising and sales executives were in attendance.

Allan Brown

The conference revealed that industrial advertising reduces the cost of selling in the following ways:—

It makes the company better known, introduces the salesman, and shortens interviews. It also brings inquiries, helps to keep customers sold, and facilitates the introduction of new products.

The importance of giving essential data in industrial advertising was especially stressed. Industrial purchasers are not interested in pretty pictures and fancy words, said M. V. H. Van Diver, of the Union Carbide & Carbon Company. They must be given the facts that will help them in their business, he added.

"How to Analyze Sales Objectives as the Basis for Planning" was the subject of one of the seminars conducted under the chairmanship of W. V. Merrihue of the General Electric Company. During this seminar, A. K. West, of the Climax Molybdenum Company, defined sales objectives as "knowing what you want to sell, where you are going to sell it, and how sales are to be made."

"How to Integrate Advertising with Industrial Sales Activity" was discussed at a seminar at which George M. Gillen of the Lukens Steel Company, pointed out that advertising can create product acceptance, make the salesman's job much easier, and secure inquiries from interested prospects. "How to Evaluate Results" was discussed under the chairmanship of R. A. Wheeler, of the International Nickel Company.

Allan Brown, advertising manager and director of public relations for the Bakelite Corporation, was presented by Keith Lydiard, president of the Technical Publicity Association, with a plaque in recognition of his services in the cause of industrial advertising. Mr. Brown has been president of the Technical Publicity Association and the National Industrial Advertisers Association and chairman of the Association of National Advertisers.

W. L. Batt, president of SKF Industries, Inc., Philadelphia, was the guest speaker of the conference, and addressed a luncheon meeting on the subject of "Industry's Selling Job." He said that America today is suffering from serious economic dislocations. The United States, Mr. Batt said, has only a three months' supply of rubber and its supplies of tin, manganese, chrome, tungsten and many other important raw materials are running low. These materials are imported from countries which today are in danger of war involvement, Mr. Batt declared.

Botanical Drugs, Spices, and Gums

Domestic Collection Being Expanded to Include Many Botanicals Usually Supplied by Europe Exclusively — Belgian Crude Drugs in Sharp Advances—Entire Market Stronger

Loss of twenty-five percent of its ground force and annihilation of the air arm brought the surrender of the Netherlands to Germany last week. The German offensive then threw heavy military forces against Belgium, a fact of substantial importance to botanical drug users in this country. Belgium was the first hand source of a number of botanicals and an important secondary market for numerous others. Articles usually supplied by Belgian merchants advanced sharply last week. A fairly exhaustive list of botanicals grown or mainly obtained through Belgian sources is as follows:—Angelica root, angelica seed, belladonna leaves, burdock root, calendula flowers, calamus root, caraway seed, Roman chamomile flowers, cinchona bark, red clover flowers, doggrass root, henbane leaves, blue and black malva flowers, mullein flowers, sundew herb, and valerian root. Some minor herbs and roots also come within the group influenced by the invasion of Belgium.

In view of the Belgian development and the extremely real danger that shipments of botanicals from ports on the Adriatic and Mediterranean seas may cease, it was clear last week that attention to domestic collections will be greater in 1940 then for many years. Numerous articles usually bought in Europe grow, or can be grown, in this country. Collection cost was too high when European goods were obtainable. It was learned last week that active steps have been taken already to stimulate the collection, or cultivation, of many items exclusively supplied by Europe in the past. Goods obtained are likely to sell at high prices since to secure stocks high prices must be paid the collectors and growers.

Balsams

Peru.—Steady. Import cost subject to upward trend in freights and insurance.

Tolu.—Strong. In low supply. Hard to get at source. Local prices about nominal.

Barks

Cinchona.—Replacement must be direct from Netherlands East Indies. Dutch capitulation to Germans ends chance to buy in Amsterdam. Shipments from South America slow and small.

Cociliana.—Fairly steady, but still favorable for buying operations.

Orange Peel.—The question was: How long will shpiments continue from Mediterranean countries? Spot firm.

Soap.—Cut bark offered spot usually of domestic origin. Only available substitute for German cut goods. Market steady.

Wahoo.—Little demand. Collection season gets under way.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	...	360
Belladonna	69	285
Caraway	640	10,480
Cardamom (cases)	...	755
Celery	...	2,676
Coriander	600	4,560
Cumin	1,194	3,881
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	290	803
Henbane leaves (bales)	219	219
Mustard	2,800	7,017
Poppy	200	19,748
Sage leaves (bales)	...	44
Sesame	1,043	5,701
Stramonium	117	334
Thyme	...	972

Price Changes

Advanced

Angelica root, imported, natural, $1.05 per lb.
twisted, 55c. per lb.
Anise, Bulgarian, ½c. per lb.
Cyprus, ½c. per lb.
Mexican, ½c. per lb.
Spanish, 2c. per lb.
Belladonna leaves, 5c. per lb.
Burdock root, 1c. per lb.
Calendula flowers, 15c. per lb.
Caraway seed, 8½c. per lb.
Cardamom seed, bleached, 5c. per lb.
decorticated, 5c. per lb.
green, 5c. per lb.
Celery seed, French, 2¾c. per lb.
Indian, ½c. per lb.
Chamomile, Roman, 73c. per lb.
Cinnamon, Ceylon, No. 3, ¾c. per lb.
Clove, Madagascar, ½c. per lb.
Clover tops, red, 8c. per lb.
Dill seed, 7c. per lb.
Fennel seed, Indian, ½c. per lb.
Gold of pleasure seed, 1½c. per lb.
Gum benzoin, Sumatra, 1c. per lb.
Henbane leaves, 5c. per lb.
Laurel leaves, Greek, 1¾c. per lb.
Turkish, 1¾c. per lb.
Mace, Banda, 3c. per lb.
Batavia, 1c. per lb.
Malva flowers, 5c. per lb.
Marjoram, French, 1½c. per lb.
Tunisan, 2c. per lb.
Chilean, 3c. per lb.
Mustard seed, Danish, 3c. per lb.
Dutch, 3c. per lb.
Roumanian, 1c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Orris root, Florentine, 8c. per lb.
powdered, 5c. per lb.
Verona, 2c. per lb.
powdered, 1c. per lb.
Paprika, Bulgarian, 3c. per lb.
Hungarian, 1½c. per lb.
Portuguese, 1½c. per lb.
Spanish, 3c. per lb.
Pepper, black, Lampong, ¼c. per lb.
White, Java Muntok, ⅝c. per lb.
Red, chillies, Mombassa, 1c. per lb.
Pimento, ½c. per lb.
Rapeseed, Japanese, 1½c. per lb.
Sage, Dalmatian, 24c. per lb.
garden, 17c. per lb.
Valerian root, 23c. per lb.

Reduced

Cassia, Batavia, shortstick, 1¼c. per lb.
broken, 1½c. per lb.
China, rolls, select, broken, ½c. per lb.
Nutmegs, 80's, 1c. per lb.
110's, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
194.7	**192.2**	**193.5**	**123.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Beans

Calabar.—Market routine to slow. Prices steady to firm.

Tonka.—Very firm. Import cost sub-

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Proprietary Association, May 20-22, New York.

Tested BOTANICALLY
HOPKINS BRAND
Tested CHEMICALLY
For prompt or future shipment from our New York City Warehouses and Mills
CRUDE DRUGS
Acacia Gum (Arabic)
Aloes (all kinds)
Aniseed
Asafoetida
Benzoin
Cantharides
Colocynth
Damiana
Digitalis
Ergot
Euphorbia
Fennel Seed
Gentian Root
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender Flowers
Lupulin
Myrrh Gum
Nux Vomica
Orange Peel
Orris Root
Papain
Peppermint Leaves
Quince Seed
Sarsaparilla
Senna Leaves
Uva Ursi
Wild Cherry
Tested MICROSCOPICALLY
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK
Tested PHYSIOLOGICALLY

WHOLE AND POWDERED
GUMS
FRANK-VLIET CO., Inc.
160 WATER ST. NEW YORK, N. Y.
1001 Chestnut St. Philadelphia, Pa.
912 East Third St. Los Angeles, Cal.
BRANCH OFFICES
389 St. Paul St., W. Montreal, Canada
206 State St. Boston, Mass.
383 Brannan St. San Francisco, Cal.
KARAYA (INDIAN GUM)
LOCUST BEAN
TRAGACANTH
ARABIC

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

ALGIN is SOLD
under several trade-names—
. . . . . depending on the required characteristics in each specific use—

ALGIN products
are used as thickening, emulsifying and stabilizing agents in
TEXTILE Printing
Cold Water PAINTS
BAKERY Fillings and CONFECTIONS
ICE CREAM
CHOCOLATE MILK
CONFECTIONERIES
CHEESE Processing
SALAD DRESSINGS
COSMETICS
LEATHER Dressings
in fact, wherever a hydrophilic colloid or gum-like material is required.

DUE to the large number of different products in which ALGIN is used, a wide variety of problems have to be met.
Depending on the specific characteristics required in each use, Algin products necessarily must vary in some degree in their chemical and physical properties. That is why there are a number of KELCO Algin PRODUCTS, such as:
DARILOID for Ice Cream
COCOLOID for Chocolate Milk
KELTEX for Textile Printing
KELGIN for Cosmetics
KELTOSE for bakery fillings and confections
BAKELOID for bakery products, and so forth
Each KELCO Algin PRODUCT is always uniform in quality and free from impurities.
Each Algin product is completely soluble in water in which it produces exceptionally high viscosity.
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KELCO REFINED ALGIN PRODUCTS
KELCO Company
75 E. Wacker Drive CHICAGO
31 Nassau St. NEW YORK
530 West 6th St. LOS ANGELES

ject to rising transportation and insurance expenses. Demand steady.

Vanilla.—Stills strong. Demand fair. No weakening of local undertones. Stocks on the low side everywhere. Tendency of prices upward.

Berries

Cubeb.—Rising tendency due to primary market situation. Transportation delays serious.

Juniper.—Danger of Mediterranean Sea shipping being stopped very real. Would mean end to import of this item.

Raspberries.—Still developing easier undertone. No further price decline.

Flowers

Calendula.—Mainly the product of Belgium. France produced a little. Domestic crop small and of poor quality. Spot prices up to 50c to 55c per pound.

Chamomile.—Roman flowers almost extinct. Market rises to $1.25 to $1.30 per pound. Fortunately, export to Canada main business. Hungarian flowers strengthen sharply.

Clover.—The few off lots left in Europe were held in Belgium. No longer available. Small spot stocks rise to 40c. to 45c. per pound. Situation may be relieved by collection of domestic crop. Last sales of domestic made at 35c. to 40c.

Malva.—This item the product of Belgium. Limited production elsewhere. Prices rise to 50c. to 75c. per pound.

Gums

Arabic. — Smart strengthening of market. Prices develop upward tendency. Caused by uncertainties of replacement opportunities and chances.

Benzoin.—Sumatra gum advanced to 18c. to 19c. and tending higher. Product of Dutch East Indies. Sellers watch situation closely.

Camphor.—Strong market. Domestic production, synthetic, sold well ahead. New business, spot delivery, impossible to place. Prices tend upward.

Karaya.—Forward position stiffening due to transportation and other difficulties. Local demand very good.

Herbs and Leaves

Belladonna.—Belgium a limited producer, but has been important reseller. That source now cut off. Spot price rises to 35c. to 45c. per pound, as to seller and test.

Henbane.—Belgium was important source of supply since last September. Always a market influence. Now cut off. Spot prices advanced to 50c. to 60c. per pound.

Laurel.—Market higher at 7c. to 7½c. per pound, both varieties.

Marjoram.—Prices rising. French, 26½c. to 27c. per pound; Tunisan, nominal at 26c.; Chilean, 18c. to 19c.

Sage.—Over 100 percent above prices a week ago. Dalmatian, stemless, 26c. to 27c. per pound; garden, 30c. to 30½c. Practically nominal.

Miscellaneous

Ergot.—European situation doing nothing to ease situation. Spain likely to be sole source of supply. Concentrated strength there.

Hops.—European goods dwindle. Practically cut off. Dependence solely on domestic production.

Kamala. — Quiet. Routine trade. Steady prices.

Kolu Nuts.—Consumption very good. Gaining. Prices steady.

Roots

Angelica.—All prospect of getting new crop Thuringian and Saxonian type root ended with German invasion of Scandinavia Holland and Belgium. Consumers must depend on domestic goods now selling at 25c. per pound. Imported, natural, nominal at $1.75 to $1.80 per pound; twisted, $1.50 to $1.95.

Burdock.—Higher at 15c. to 16c. per pound. Belgian root long the standard quality. Production, rest of Europe, negligible. Fair spot stocks. Domestic production may ease situation.

Orris.—Higher. Florentine, whole, 22c. to 23c. per pound; powdered, 25c. to 26c.; Verona, whole, 18c. to 19c.; Powdered, 21c. to 22c.

Valerian.—Belgium always leading exporter. Grows freely in all Europe. English and French production required at home. Japan shipped here in World War; was not U.S.P.

Seeds

Anise.—Market advancing. Spanish, 27½c. to 28c. per pound; Bulgarian, 13½c. to 14c.; Mexican, 13½c. to 14c.; Cyprus, 15½c. to 16.

Caraway. — Dutch seed sharply higher and nominal at 22c. to 23c. per pound; sales confirmed at 20c. Russian prices withdrawn.

Cardamom. — Rise extended. Bleached, $1.10 to $1.60 per pound; decorticated, 82c. to 84c.; green, 65c. to 67c.

Celery.—Sharp rise. French, 24c. to 24½c. per pound; Indian, 14c. to 14½c.

Coriander.—Rising. Natural, 4¾c. to 5¼c. per pound; bleached, 7c. to 7½c.

Dill.—Sold at 15c. to 15½c. per pound, virtually 100 percent price advance.

Mustard.—Danish yellow, 17c. to 17½c. per pound; Dutch yellow, 15c. to 15½c.; Roumanian yellow, 11½c. to 12c. All higher.

Poppy.—Dutch jumps to 21c. to 21½c. per pound. Limited offerings.

Spices

Cassia.—Lower. Shortstick, 11½c. to 12c. per pound; broken, 11½c. to 11¾c.

Cinnamon.—No. 3 Ceylon 16¼c. to 16¾c. per pound, moderate rise.

Clove.—Madagascar fraction higher at 15¾c. to 16¼c. per pound.

Mace.—Much higher. Banda, 54c. to 55c. per pound; Batavia, 30c. to 32c.

Nutmegs.—West Indian up to 11¾c. to 12¼c. per pound. East Indian, shaded to 21c. to 22c. for 80's; 110's, 19c. to 29c.

Paprika.—Much higher. Bulgarian, 27c. to 28c. per pound; Hungarian, extra fancy, 35c. to 36c.; medium fancy, 31½c. to 32c; Portuguese, extra fancy, 33c. to 34c.; fancy, 32c. to 33c.; Spanish, 42c. to 43c.

Pepper.—Black, Lampong, 4¼c. to 4¾c. per pound. White, Java Muntok, 7¾c. to 8c. Red, chillies, Mombassa, 26½c. to 27c. higher.

Trading in black pepper futures on the New York Produce Exchange from May 11 to May 17, inclusive, comprised 145 contracts, a total of 4,872,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.20	4.20	3.97@3.98
February	4.06	4.02	3.96@4.00
March	4.35	4.02	4.02 sale
May	4.00	3.70	3.70 sale
July	4.08	3.75	3.75 sale
September	4.16	3.82	3.81@3.85
October	3.98	3.95	3.80@3.88
November	3.95	3.93	3.87@3.93
December	4.23	3.91	3.89@3.95

Amer. Can Boosts Insecticides

A new plan to get its message before the public has been added to the extensive advertising program of the American Can Company. Hundreds of the company's trucks, operating throughout the country, are now

carrying huge posters, as illustrated, stressing products packed in "Canco" containers. The May poster, featuring insecticides, is currently being seen and read in all parts of the United States. Its timely message, "Time for Insecticides—Buy a Can Today," is a reminder to protect against destructive parasites.

Hart Harris, Jr., Wed

Hart Harris, jr., New England representative for S. B. Penick & Co., botanical drug merchant, this city, was married May 16 to Miss Alveva Scrima, Needham, Mass. The wedding took place in the Evangelical Congregational Church that city. Following short honeymoon, the couple will make their home in Needham.

F.D.A. Transfer Effective June 10

—Continued from page 5

the standpoint of a special professional interest.

In explanation of this second objection, the Federal Security Agency was created by reorganization plan No. I. It is, in effect, an administrative holding company, created by the transfer of numerous administrative agencies to it. Of these agencies the one most closely related to the federal food, drug, and cosmetic act is the Public Health Service, which has been the central government agency to deal with the general subject of public health. This service has a medical administration. For years there have been repeated (but unsuccessful) efforts made to vest the administration of the Federal food and drugs act of 1906, the predecessor of the Federal food, drug, and cosmetic act in the service. And such administrative transfer has been long advocated in influential medical circles. Therefore, and because of the leading health position of the service in the Federal Security Agency, there is every reason to believe that if this act is administered by the agency it will come under the medical control dominating the service; and that ultimately the agency will be reorganized to give that control express form.

It is not a sound and equitable public policy to place the food, drug, and cosmetic industries of this country under a comprehensive regulatory control by the medical profession. That profession has an essential place in the administration of the Federal food, drug, and cosmetic act; but it is a partial place, at most. And manifestly this act should have an impartial administration from the standpoint of the general public; and not a partial administration from the standpoint of one interest.

Chain Drug Store Sales Gained 3 Percent in March

Daily average sales of chain drug stores were 3 percent higher in March than in the similar month of 1939, according to the division of business review of the Department of Commerce. There was little change from February to March. Independent drug store sales in March increased about 5 percent over March, 1939, but were approximately 2 percent lower than February. Total sales of the trade, including both independents and chains, during the first quarter of the year averaged about 5 percent larger than in the comparable period of 1939, with independents recording a better improvement than chains.

Alfred D. McKelvy Company has been formed for the manufacture of a line of men's toiletries. The offices and factory of the new firm are in Minneapolis.

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Essential Oils, Aromatic Chemicals

Danger to Swiss Aromatic Chemical Export Trade Grows as German Forces Mass on Border — All Dutch Items Gain Strength — Some Prices Advanced

Massing of German military forces on northern Swiss border appeared to endanger the export of aromatic chemicals manufactured in the Swiss Republic. Most recent figures available when this was written gave the 1937 exports of basic aromatics as 15,530 pounds valued at $64,657 to the United States. In addition, 10,565 pounds of semi-manufactured perfume products, valued at $53,754, were exported to this country. Since that year a substantial increase in Swiss exports has taken place.

The Netherlands surrendered to Germany last week. This at once ended exports of caraway oil, caraway seed, and carvol from that country. In addition, mace and nutmeg oils, made from Netherlands East Indies raw materials were advanced when caraway and clove oils were raised. The position of cananga, cajeput, and Java citronella oils appeared due for higher price levels, but the upward movement was not general last week. A long war would totally eliminate natural caraway oil from this market.

Essential oils generally were firmer. Danger of war spreading to Switzerland was accompanied by ominous rumblings in Italy where demonstrations against France and England appeared to be a weather vane pointing to the ultimate decision of Italy. Should she attack the Allies as a partner of Germany, shipments of European essential oils and aromatics would come to an abrupt halt. Under such conditions prices were naturally showing strength.

Essential Oils

Almond. — Stronger. Replacement situation strengthening steadily. Prices fully maintained.

Angelica.—Replacement oil unlikely to be secured this Summer. Prices tend toward normal position.

Anise.—Steadier. Less competitive price shading. More of demand than of late.

Apricot. — Movement moderately improved. Prices fully steady. Stocks fair in size.

Bay.—Steadier. Competition less pressing. Demand improved but little. Stocks in firm hands.

Bergamot.—Still strong. Price advance stopped temporarily. Tendency still upward. Italy in war as Garden partner would end exports.

Birchtar. — Steady. Replacements increasingly hard to get. Stocks none too ample here.

Bois de Rose. — Transport from South America slow. Market firm to firmer. Fair demand.

Cajeput.—Influenced by situation in Netherlands East Indies. Prices should improve.

Camphor.—Steady. Stocks moderate. Demand maintained.

Cananga.—Obtained from Java. Influenced by what happens to Netherlands East Indies. No price change yet.

Capsicum (Oleoresin).—Firm. Routine demand. Steady price.

Caraway.—Advanced to $4.25 per pound, nominal. Netherlands supplies this item. Surrendered to Germans last week. Replacements impossible.

Cassia.—Quiet. Demand of jobbing sort. Prices maintained.

Cedarleaf.—Good trade. Seasonal expansion noted. Firm prices.

Cedarwood.—Moving well in seasonal volume at full prices.

Citronella.—Java oil unchanged, spot. Primary market subject to forces stemming from Netherlands surrender to Germany.

Clove. — Higher. Drums, $1.25 to $1.30 per pound; cans, $1.30 to $1.35. Raw material situation influential. Fair demand.

Coriander. — Unchanged. Steady. Fair call. Prices hold.

Croton. — Firmer. Replacement growing more uncertain.

Cubeb.—Strengthening due to raw material improvement. Moderate demand.

Price Changes

Advanced

Caraway, $1 per lb.
Clove, 10c. per lb.
Lime, distilled, 50c. per lb.
Mace, 5c. per lb.
Nutmeg, 5c. per lb.
Spearmint, 5c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.9	108.5	105.5	68.3

Market news that may have developed after this report was sent to press will be found on page 4.

Dill.—Sharp rise in seed prices. May forecast higher oil replacement cost. Weed oil firm. Good demand.

Eucalyptus.—Strong. No signs of primary market easement. Demand taking spot offerings steadily.

Grapefruit. — Consumption along normal lines. Stocks ample.

Juniper.—Stronger. Danger of replacements stopping very real. Consumption good.

Juniper Tar.—Improvement in Spanish shipments hoped for.

Lavandin.—No weakening. Firm prices strongly held abroad. Steady to firm here.

Lavender.—Sellers reserved. View French situation with concern. Prices tend up.

Lemon.—California oil bulwark of domestic consuming trades. Messina shipments not unlikely to stop. Prices firm.

Lemongrass.—Situation affected by generally distressed and unsettled Far Eastern situation. Prices steady here.

Lime.—Distilled up to $4.50 to $4.75 per pound. Expressed very firm. Seasonal activity noted.

Mace.—Higher at $2.25 to $2.30 per pound. Production cost trend upward.

Nutmeg.—Sellers advance to $2.25 to $2.30 per pound in substantially stronger market. Demand fine.

Orange.—Steady. Italian shipments may cease. Not important to this market. Plentiful supplies of other varieties.

Palmarosa.—Firm. No price change. Moderate call.

Peppermint.—Steady prices. Moderate demand. Russian exports subject to hampering by war. May cease entirely.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Flavoring Extract Manufacturers, June 24-26, Chicago.

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Pineneedle.—Shipments from source may stop. Spot stocks conservative. Prices tend upward.

Rosemary.—Easier undertone. Spain offers more freely.

Spearmint.—Higher at $2.25 to $2.30 per pound. Better call.

Aromatic Chemicals

Citronellal. — Firm. Fair demand. Likely to gain.

Citronellol. — Firmer. Not much change in demand. Prices hold.

Citronellyl Acetate.—Demand light. Hand-to-mouth. Prices steady.

Citronellylphenyl Acetate. — Occasional inquiry and sale at steady prices.

Citronellyl Butyrate.—Jobbing call very steady. Prices maintained.

Coumarin.—Firm. Demand normal. Little competition. Stocks good.

Cyclamen Aldehyde.—Jobbing interest at normal level.

Diethyl Phthalate. — Sturdy prices and fair demand.

Demethyl Hydroquinone.—Demand jobbing. Reserves fair in size. Limited competition.

Diphenyl Methane.—Steady to firm undertones. Fair request. Prices hold.

Diphenyl Oxide.—Firm. In good demand. Undertones very steady.

Ethyl Cinnamate.—Activity up to recent volume. Prices reveal stability.

Ethyl Phenylacetate.—Jobbing trade productive of fair volume. Prices steady to firm.

Ethyl Vanillin.—Sellers report satisfactory movement.

Eucalyptol. — Firm. Raw material strong. Demand good.

Eugenol.—Raw material price trend reversed. Now upward. Derived item very firm.

Eugenol Methyl Ether.—Routine activity at steady prices.

Geraniol.—Routine call very good. Prices grow steadier.

Geranyl Acetate. — Offerings absorbed steadily. Firm market.

Geranyl Formate.—Limited demand. Steady quotations.

Geranyl Phenyl Acetate.—More inquiry. Trifle more selling. Firm prices.

Geranyl Proprionate. — Call along jobbing lines. Little competition.

Heliotropine.—Foreign item firming again. Danger of shipments being shut off by war. Domestic production moving well at firm prices.

Hyacinth Geraniol.—Demand shrank moderately. Prices not weakened.

Hydroxycitronellal. — Business normally active. Volume good. Prices substantially firmer.

Ionone.—Entire group firm. Stocks moderate. Demand sustained.

Isobornyl Acetate. — Steady consumption at full prices. Competition within limited areas.

Isobutyl Acetate.—Consumers take needs steadily. Quotations firm.

Isoeugenol. — Activity very good. About normal. Prices steady to firmer.

Brooks, Salzman, Schieffelin To Be Honored June 6

Herman L. Brooks, Louis Salzman and Dr. William J. Schieffelin will be honored at a testimonial dinner tendered by the drug and cosmetic division of the United Jewish Appeal for Refugees and Overseas Needs. The affair, which will be held June 6 in the Hotel Ambassador, will recognize the business, communal and philanthropic achievements of the three men and will launch officially the industry's efforts on behalf of the 1940 United Jewish Appeal Campaign.

J. W. Lee has been named traffic manager of the Phelps Dodge Corporation, this city.

T.G.A. Told 'Deals' Are Poor Merchandising

—*Continued from page* 3

"Two for the Show"; golf at the Ridgewood Country Club, Ridgewood, N. J., and a reception and banquet at the close of the convention was also enjoyed by the delegates.

The amendment passed in the last year on the Federal excise tax on cosmetics was featured in the report of the president of the association, Herman L. Brooks. The results thus obtained, he said, had been achieved through hard work on the part of the association, and at the expense of a limited number of companies in the industry. It is regretful, he added, that only too many cosmetic firms have accepted the relief as a matter of course, and are getting a "free ride" on the improvements.

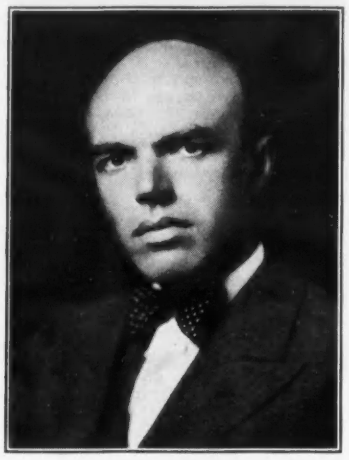
As concerns the amendment, he stated that developments and clarification of portions are still being obtained, and that a mutual understanding of the problems existing has been reached between representatives of the industry and members of the Federal bureau. The tax committee of the association was described as striving for two objectives.

First, for the benefit of those companies with a two-company setup, the retention of paying the tax on bulk prices—plus expenses; and second, for the firms with a one-company setup, the retention of considerable latitude in allowable deductible expenses. Under the amendment and agreements reached, he added a uniform approach has been evolved whereby all houses in the industry are now on equal footing as regards the tax.

In discussing miscellaneous legislation during the year, he said that very few bills were introduced in State legislatures that affected the industry. The only objectionable bill appeared in Kentucky where an act modeled on the Federal food, drug, and cosmetic act which included a revenue device was introduced. It was finally defeated. The industry must however, he continued, be prepared to carry-on and combat discriminatory bills that may be proposed at coming sessions of the legislatures, and also to approach the consumer movement in a fair and realistic manner.

Board of Standards

The activities of the Board of Standards of the association was described by S. L. Mayham, director of that division. He reviewed the work done



Blank & Stoller

S. L. Mayham
Director, Board of Standards

on scrutinizing labels and other advertising matter, the relations of the industry with the press and public, the elimination of misleading packages, coaltar color certification, raw materials standardization, and on the claims made for cosmetics and toilet articles.

A suggestion offered by Mr. Mayham asked that the association consider the establishment at some future time of an agency to compile and record chemical and clinical data to support claims made for toilet articles. A method for gathering such material and advantages of its collection was described as follows:—

The suggestion in brief and without detail is that when research work bearing upon the claims made for our products is to be done in independent laboratories or by consulting dermatologists, pharmacologists or other scientists, it be done through the board of standards, which would accept the assignment, farm it out to competent people, selected either by the board or by the company having the work done, compile and submit the results, retaining copies in its files without names or identifying marks and held, of course, in the utmost confidence unless the sponsor desired and authorized its publication or exchange with other members of the industry.

It is my feeling that research of this sort would be of considerably more value to the sponsoring company than would the same research carried on under more purely commercial auspices. It would in addition increase the growing prestige enjoyed by your association and its board of standards.

What is even more important, it would gradually build up in one central place under control of the industry a body of scientific evidence calculated to prove that cosmetics will do what reputable manufacturers say they will—evidence which would require something more than the opinion of a government official or a self-appointed critic to successfully controvert it. This, under proper authorization, could be made available in case of controversy, but of equal importance is the fact that the very existence of such a body of independent research evidence would undoubtedly bring about more care and discrimination on the part of the authorities in any citations or seizures which might be contemplated.

In discussing the colors and pigments used in the manufacture of cosmetics, Mr. Mayham stated that the industry now finds itself with adequate supplies of a wide variety of coaltar colors certified by the government as being pure and suitable for use in its products. Much work had also been done, he said, in making available to cosmetic manufacturers certain raw materials, notably titanium dioxide, which had been found to contain small, but undesirable percentages of lead and arsenic impurities. Arrangements have been made with manufacturers now to supply such materials in much purer form than heretofore.

Certain non-coaltar pigments, such as ocher, sienna, and umber, were found to present a similar problem, and considerable work in the building up of synthetic pigments of the same physical characteristics and tinctorial power has resulted. Most of the suppliers of pigments, it was said, are now able to offer the latter materials with arsenic and lead contents comparable to those required by the government in the case of coaltar colors.

Patman Act Decisions Asked

Hugo Mock, counsel of the association, in his review of legislation affecting the industry in the past year, decried the failure of the Federal Trade Commission to push for decisions on the many Robinson-Patman court cases pending. Such decisions were needed, he said, to clarify the position of manufacturers, particularly in the use of demonstrators. Complaints against some concerns in this respect were entered by the commission as much as four years ago, he pointed out.

He also warned manufacturers that all provisions of the Federal food, drug and cosmetic act would go into effect on July 1, 1940, and that a more stringent enforcement of the law may be expected after that date. On the matter of fair trade laws, he declared that most states now have such acts and they should be watched, else attempts will be made for their repeal. There are in our present economic and administrative system, he stated, forces which are seeking to lower prices and raise wages at the same time. These objectives were characterized as incompatible. The philosophy of the Patman chain store tax, now before congress, was described by Mr. Mock as "friendly but blind."

Association Membership Urged

The need for united action in the industry through membership in the Toilet Goods Association was stressed in an address by H. Gregory Thomas. He declared that though the present conflict abroad may not engulf this country immediately, it has already affected our export trade and has restricted our source of supply. The hazardous situation accompanying war, he said, can only be met, as can every other threat to the industry as a whole, by the entire industry uniting in its own interest in its trade association. In closing he opined that only by working together can the in-

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dustry keep faith with the government and consumer alike, properly police itself, raise its standards, wages, and profits, and act as liaison officer between itself and the community at large.

Closer cooperation between producer, wholesaler, and retailer was recommended; the discontinuance of "deals" as a form of promotion was asked; and an attempt to standardize the shades and colors, and naming thereof, for cosmetics was advised by the speakers in the merchandising symposium conducted at the convention.

The combination and other "deals" were condemned because of the unfavorable effect they have upon the consuming public. The manufacturers were told that once a consumer obtained price concession on an article, either through a direct "special reduction" in price, the inclusion of an extra item in the sale, or a "dividend" quantity, he was reluctant thereafter to resume paying the full price for the article.

Officers Re-elected

In the election of officers for the coming year the association renamed the entire administrative family. Four new members were also added to the executive board of the organization. Officials re-elected were:—

President, Herman L. Brooks, president and general manager of Coty, Inc.; first vice-president, Cecil Smith, of Yardley & Co.; second vice-president, P. E. Hulburt, of the J. B. Williams Company; third vice-president, H. P. Willats, of Colonial Dames, Inc.; treasurer, Paul F. Vallee, of Roger & Gallet; secretary, J. I. Poses, of the A. A. Van Tine Products Corporation; and executive secretary, Charles S. Welch.

Members of the executive board are as follows:—

C. M. Baker, of the Pond Company; H. Clyde Balsley, of Merle Norman; A. H. Bergmann, of the Oxyzn Company; Paul H. Douglas, of Bourjois, Inc.; C. W. Godefroy, of the Godefroy Manufacturing Company; A. E. Johnson, of the Colgate-Palmolive-Peet Company; D. H. McConnell, jr., of Allied Products, Inc.; C. A. Pennock, of Richard Hudnut; George A. Wrisley, of the Allen B. Wrisley Company; Leonard E. Lisner, of Rimmel, Inc.; H. Gregory Thomas, of Chanel, Inc.; Joseph Kehoe, of Dorothy Gray, Ltd.; H. P. Goulden, of Jacqueline Cochran; J. N. Buck, of Plough, Inc.; and Joseph Danilek, of Elizabeth Arden.

Quinine Supply Assured By Dutch Trade Deputy

—Continued from page 4

Mr. de Greeff stated that the large buyers of quinine in this country hold ample stocks. Their needs are probably covered for at least a year, and their satisfactory position was indicated by the total absence of demand from such consumers since the German invasion of the Netherlands cut off shipments of quinine from Amsterdam. R. W. Greeff & Co. recently sold 800,000 ounces of quinine to the United States government. The goods, shipped promptly from Bandoeng, have been delivered. This indicated the ability of the Bandoeng factory to care for large demand, however sudden it may develop.

Inquiry among local drug brokers brought the declaration that the Holland crisis totally failed to raise demand for quinine. Charles L. Huisking & Co., holders of ample stocks, said that their sales were entirely normal and that there had been no increase in sales to consumers.

Drug Wholesalers Sales Declined 4 Percent in March

Sales of drugs and drug sundries by wholesalers in March gained 4 percent, being placed at $17,003,000, according to the Bureau of Foreign and Domestic Commerce. The cost value of total inventories increased fractionally, reaching $34,465,000. The collection ratio was 73 in March, against 74 in March last year and 72 in February. Manufacturers' sales declined 3 percent from March last year and 8 percent from February, 1940. Inventories declined about 4 percent in March.

Robert C. Stark, general superintendent of Pratt & Lambert, Inc., Buffalo, has been appointed to a committee arranging the annual banquet of the Black Rock Manufacturers' Association to be held in the Buffalo Club June 6.

A.Ph.A. Asks Broader Legislation Study

—Continued from page 3

functions and operations of retail pharmacists.

Sales Restrictions

Urged State and national pharmaceutical associations to renew efforts to obtain legislation designed to limit the production and distribution of drugs and medicines to registered outlets by registered pharmacists.

Pharmacy Stamp

Endorsed the movement for issuance of a special commemorative pharmacy postage stamp.

Ethyl Alcohol Tax

Urged Federal and State governments to remove excise taxes from ethyl alcohol used in medicinal products and that suitable and effective measures be promulgated to prevent the misuse of such tax-free alcohol.

Pharmacy and Health Groups

Continued its efforts to bring about a closer cooperation between pharmacy and the other health professions.

Long Range Program

Commended the inauguration of a long range program of policy for the association, asking that the committee charged with developing this program be made a permanent body and be enlarged, if necessary, and directed that the committee study and report on the growing tendency of some physicians to instruct patients to purchase drugs and medicines over-the-counter instead of writing prescriptions; the increase in physician dispensing in certain localities; the increase in the distribution of drugs and medicines through other than established agencies intended by the framers of State pharmacy laws to perform this service; and the growing tendency of some pharmaceutical manufacturers to offer combinations of official drugs for sale as specialties when such combinations should be prescribed on the basis of the needs of the individual patient and be compounded and dispensed by pharmacists.

Educational Exhibits

Asked the appointment of a special committee to study the possibilities of developing educational and professional exhibits as a feature of the national and State meetings of the health professions.

Educational Council Support

Continued its support of the American Council on Pharmaceutical Education.

Honor Dr. S. L. Hilton

Expressed appreciation to Dr. Samuel L. Hilton, Washington, on his retirement from the association's council after many years of service.

Prescription Prices

Asked that any survey of prescription ingredients which may be undertaken in connection with the forthcoming revision of the National Formulary include a study of prescription prices.

Federal Radio Program

Thanked the United States Department of Education and the Smithsonian Institute for its recent radio program pertaining to pharmacy.

Affiliation of Special Groups

Invited organizations of special professional groups in pharmacy to consult with the association as to the advisability and necessity of forming such organizations and recommending that desirable organizations be urged to affiliate with the association.

New Journal

Urged that provision be made to provide adequate personnel to discharge the duties incident to the publication of the association's new journal.

Meeting Procedure

Expressed appreciation of the manner in which M. N. Ford, chairman of the house of delegates, conducted meetings of that body and urged that future meetings be held under the same general procedure.

Section Name Change

Asked that steps be taken to change the name of the section on practical pharmacy and dispensing to the section on practical pharmacy.

Nominations for 1941-42

The association nominated the following members for office in 1941-42, to be elected by mail ballot:—

President:—B. V. Christensen, Columbus, Ohio; E. V. Lynn, Boston, and H. C. Muldoon, Pittsburgh;first vice-president: Denny Brann, Des Moines; S. H. Dretzka, of Milwaukee; and J. Lester Hayman, Morgantown, W. Va.; second vice-president:—A. B. Lemon, Buffalo; L. W. Rowe, Detroit; and R. G. MacDuffies, Greensboro, N. C.

Members of the council:—F. E. Bibbins, Indianapolis; W. G. Crockett, Richmond; M. N. Ford, Columbus; Glen L. Jenkins, Minneapolis; P. H. Costello, Cooperstown, N. D.; R. A. Kuever, Iowa City; John O'Brien, Omaha; R. L. Swain, New York city; and Elmer Worth, Chicago.

Officers Elected

William C. Porterfield, Fargo, N. D., was elected honorary president of the association. E. F. Kelly, of Washington, D. C., re-elected secretary, and Charles W. Holton, Essex Falls, N. J., re-elected treasurer. Hugo Schafer, New York, was elected chairman of the house of delegates, and Charles L. Guthrie, Petersburg, Va., vice-chairman.

The association voted to hold its 1941 convention in Detroit and its 1942 meeting in Denver.

A.P.I. Mid-Year Meeting In Fort Worth May 27

The program for the American Petroleum Institute's tenth mid-year meeting, scheduled for May 27-30 at Fort Worth, Texas, lists Representative Bruce Barton, New York, as the guest speaker. While the mid-year session formally opens on May 27, institute committees will convene as early as May 24, and various groups will be in session during the program. Group sessions have been called by the institute's divisions of production and refining, and by the committee on public relations.

Fort Worth oil men will be hosts Wednesday night at a barbecue to be held at the farm of Amon G. Carter, a member of the institute's board of directors and chairman of the committee on arrangements. The annual handicap golf tournament for the J. Edgar Pew Trophy will be held May 31 on the links of the Colonial Golf Club.

Philip C. Sayres has been elected secretary-treasurer of the Bristol-Meyers Company. Walter H. Kamp has been made comptroller and L. J. Brosky, assistant secretary.

F.D.A. Plans Drive On Emenagogs

OPD Washington Bureau
May 15, 1940

The Food and Drug Administration is preparing to make a drive to remove from the market a great many emenagogue preparations on the ground that they are either worthless or dangerous to health when used as directed by the label.

Laboratory tests are being made on a number of these preparations in order to have available scientific evidence to be used if necessary in seizure action, but it is not likely there will be many seizures until after July 1, since that is the expiration of the temporary exemption given to labeling statements on packages in stock prior to the effective date of the food, drug, and cosmetic act.

For a number of years the Post Office Department has been issuing fraud orders against concerns selling emenagogue preparations by mail, and the Federal Trade Commission has been conducting a similar drive against the advertising of these preparations since passage of the Wheeler-Lea act.

Officials of the Food and Drug Administration point out that retail druggists handling emenagogue preparations or any other packaged drugs which they feel may be subject to action under the food, drug, and cosmetic act may easily relieve themselves of all legal responsibility by requiring the manufacturer to furnish a guaranty or undertaking as provided in section 303 (c) of the act. The forms for such guaranty are set forth in the regulations under this section.

United Cigar-Whelan Stores Corporation, has changed the location of its principal offices to 215 Fourth avenue, this city.

Morris Rosenthal, of Stein, Hall & Co., this city, has been elected a vice-president of the National Council of American Importers.

THE LEADER

PENN-DRAKE WHITE OILS

the finest, purest white oils you can use in the manufacture of your products

REFINED by the famous Karnsite process, Penn-Drake is free from all unsaturated hydrocarbons, and other undesirable impurities—it's always available in the exact viscosity you require.

You make no mistake when you use Penn-Drake!

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Sales Offices and Warehouses at: New York . . . Chicago . . . Boston . . . Atlanta . . . Petersburg, Va. . . . Dallas, Texas . . . Detroit . . . St. Louis . . . Los Angeles.

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Petroleum Solvents Lubricants, Fuels

General Market Appeared Steadier With Prices Unchanged —Paint Ingredients and Rubber Solvent in Good Demand — Lubricants Remain Easy in All Sections

Prices appeared to be fairly well maintained in refined petroleum markets last week with products in general moving into consumption in better fashion. Notable were various grades of solvents and diluents. Paint manufacturers were again good buyers of petroleum thinners and v. m. & p. naphtha and the rubber industry continued to call for large supplies of rubber solvent. Conditions appeared to be mixed in the market for white oils and petrolatums, some grades in good demand and others slack. Russian oil, however, was purely nominal and scarce. Gasoline was shipped in larger quantities but top-heavy stocks caused easiness in the price. Lubricants remained weak in all sections.

Solvents and Diluents

Cleaners' Naphtha.—Shipments a bit lighter but still satisfactory. Price firm.

Lacquer Diluent.—Lacquer manufacturers less active factors. Inquiries only fair. Price steady.

Petroleum Thinners.—Movement of stocks to paint manufacturers regular and in good volume. Spot sales better. Inquiries more numerous. Prices steady and unchanged.

Rubber Solvent.—Takings of the rubber industry were larger during the period. Spot sales were routine and inquiries fair. Price firm.

Stoddard Solvent.—Demand normal and price steady and unchanged.

V. M. & P. Naphtha. — Contract shipments larger. Spot sales at higher level. Inquiries fair. Price steady.

Markets at Other Centers

Chicago—May 16

The petroleum solvent and diluent market is slow and lacking in interest. Material is moving in a routine way. Ruling prices in tankcar lots f.o.b. Group 3 Oklahoma are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 6⅜c. to 6½c.; V.M. & P. naphtha, 6⅞c. to 7c.

New Orleans—May 16

Movement of paint ingredients and rubber solvent continued to highlight the market. Cleaning materials were in fair demand. Quotations are:—

CLEANING SOLVENT.—Boiling range 225/350, gravity 53, 6¾c. delivered New Orleans in tankcars.

V.M.P. NAPHTHA.—Boiling range 175/425, gravity 48, 6½c. delivered New Orleans in tankcars.

Tulsa—May 16

Despite more inquiries from rubber manufacturers and also paint makers the market appears to be in a waiting attitude. The slowness of the gasoline market and the easiness of prices has caused a few concessions in the specialties markets. Posted quotations, however remain at the same level.

Price Changes

Advanced

None

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Lighter Fractions

Butane.—In good demand. Supplies more available. Price very firm.

Heptane. — Routine market. Shipments light and irregular. Price steady.

Hexane. — Contract withdrawals slightly heavier. Spot sales off. Price firm.

Octanes.—Demand routine and price unchanged.

Propane.—Demand slacker, but still satisfactory. Price firm.

Petrolatums and Waxes

White Mineral Oils.—Domestic grades firm and in slightly better demand. Spread of war threatens last available source of supply of Russian oil. Stocks very low. Price nominal.

Petrolatum.—Buying interest better than previous week. Contract shipments heavier. Inquiries more numerous.

Paraffin.—Crude scale supplies still tight. Sales not curtailed as yet. Price strong but unchanged. Refined grades well maintained and in good demand.

Chicago—May 16

The refined petrolenm wax market remains easy, with buyers not interested in anything but routine type takings. Inquiries are confined to limited quantities for early shipment. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—May 16

Slowness of price still dominates the market because of the lack of export business at this time. Quotations are easy.

Fuels and Lubricants

Gasoline.—Consumption continued to increase but prices were still soft due to large stocks on hand.

Kerosene.—Demand continued to taper off. Price soft to steady.

Fuel and Gas Oils.—Bunker C fuel oil well maintained. Heating oils demand sluggish. Light fuel oils still moving well. All prices steady and unchanged.

Lubricating Oils. — Pennsylvania bright stocks and neutrals still weak but unchanged.

Tankwagon Price Changes

Standard Oil Company of New Jersey reduced kerosene ½c. per gallon to 11c. at Roanoke, Va.

Markets at Other Centers

Chicago—May 16

Refinery gasoline in the Central West is quiet and somewhat easy. Prices are unchanged. Kerosene is in good position. Tractor fuels are in good call. Range oil and most grades of furnace products are less firm. Heavy fuels are holding their own on a not very active demand. Lubricants are ruling somewhat easy.

GASOLINE.—Low octane motor, 4c. to 4⅛c. per gallon; middle octane motor, 4⅜c. to 4½c.; high octane motor, regular, 4¾c. to 4⅞c.; 60-62, 400, 4c. to 4⅛c.; 64-66, 375, 4c. to 4¼c.; 68-70, 360, 4½c. to 4¾c.

KEROSENE.—42-44, water white, 4⅛c. to 4¼c. per gallon; 41-43, water white, 4c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 prime, 3⅝c. to 3⅞c.; No. 1 straw, 3½c. to 3¾c.; No. 2 straw, 3⅜c. to 3⅝c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

New Orleans—May 16

Domestic market steady with no changes in quoted prices. U. S. motor gasoline at 5¼c.; 63-67 octane at 5½c., and 70-72 octane at 6c.—all on a per gallon basis at refinery. Kerosene was at 7½c. per gallon at refinery. Bunker C fuel oil quoted at 90c. per barrel at terminal, and 95c. per barrel delivered alongside, while industrial plants were quoted at $1.36 per barrel, delivered alongside.

Tulsa—May 16

The refined oil market throughout the Mid-Continent field presents a mixed condition. Gasoline offerings are plentiful and while shipments have also increased tremendously, there is apparently little change in the tone. There is a dearth of tractor distillates and kerosene on the market and a substantial number of consumers have turned to using third grade gasoline as a substitute. There is easiness in lubricants.

GASOLINE.—U.S. motor, third grade,

The State of the Petroleum Market

Crude oil and gasoline were unchanged last week.

	May 17	May 10	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0520145	.0520145	.04875

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-May 18	1939 Jan. 1-May 18
Commercial crude oil production.....	496,407,024	470,223,013
	Week ended May 18, 1940	Week ended May 19, 1939
Daily average production	3,814,559	3,391,987
Bureau of Mines estimate.....	3,601,000	3,425,200
	Week ended May 11, 1940	Week ended May 4, 1940
Estimated motor fuel stocks.....	101,317,000	102,063,000
Estimated finished motor fuel stocks.....	94,747,000	95,559,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Petroleum Institute, May 27-31, Fort Worth.
Purchasing Agents, June 3-6, Cincinnati.
National Petroleum, Sept. 18-20, Atlantic City.

Highest quality
U.S.P. and Technical WHITE OILS
NAPHTHENIC ACID
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MASKING PERFUMES for BAD SMELLING PRODUCTS
• DEPENDABLE
• EFFECTIVE
• ECONOMICAL
JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
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NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

ALL GRADES SHEROLATUM GUARANTEED QUALITY
The IMPROVED PETROLATUM U.S.P.
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
SHERWOOD Petroleum Company Inc.
REFINERS OF PETROLATUMS AND WHITE OILS
REFINERY, WARREN, PA. MAIN OFFICE ENGLEWOOD, N. J.

3¾c. to 4⅛c. gallon; 67-69 octane, 4c. to 4½c., and top 72-74 octane, 4⅝c. to 4⅞c.

NATURAL GASOLINE. — The 26-70 grade, 1¼c. per gallon in Texas and 1½c. in Oklahoma. The 18-55 grade in Texas 1½c., and in Oklahoma 1¾c. to 1⅞c.

KEROSENE.—The 41-43 degree water white is 4c. to 4⅛c. per gallon and 42-44, 4⅛c. to 4⅜c.

DISTILLATES.—No. 1 prime white, 3⅝c. to 3⅞c., and No. 1 straw, 3½c. to 3¾c. per gallon; No. 2 straw, 3⅜c. to 3⅝c., and gas oil, 2⅝c. to 2¾c.

FUEL OILS.—Residuals below 16 degrees are heavy at 45c. to 50c. per barrel with 18-22 at 70c. to 80c.

LUBRICANTS. — Further concessions are being granted in bright stocks and in neutral oils. The movement, however, has increased and orders are also coming in at a better rate.

Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended May 11, was 3,825,450 barrels, an increase of 146,400 over the 3,769,050 in the preceding week, according to the American Petroleum Institute. A gain of 89,600 barrels in the daily average output of Texas was the most important change.

Stocks of finished and unfinished gasoline in the United States at the end of the week were at an aggregate of 101,317,000 barrels, or a decline of 746,000 from the 102,063,000 reported for the week before. A year back, these stocks amounted to 86,349,000 barrels. Finished gasoline stocks decreased 812,000 barrels to 94,747,000, compared with 80,459,000 on May 11, 1939.

Oil Rights in Coastal Waters Proposed for Court Ruling

OPD Washington Bureau
May 15, 1940

The senate committee on public lands today reported a resolution requesting the Attorney-General to bring a suit to determine whether the Federal government has title to submerged lands under the territorial waters of the United States.

As originally introduced a year ago by Senator Gerald P. Nye of North Dakota, the resolution (S. J. Res. 92) would have made a congressional declaration that petroleum deposits underlying coastal waters of California are the property of the federal government and would reserve them as a naval petroleum reserve. The committee rewrote the resolution to make it simply a request that a test suit be brought and to eliminate reference to any particular lands.

Vegetable Oil Situation In the United States

By Otto Eisenschiml
President, Scientific Oil Compounding Company

Paper read March 28, 1940, before the Sixth Annual Chemurgic Conference of Agriculture, Industry, and Science in Chicago

(Continued from May 6 Issue)

Soybean Oil

The growth of our domestic soybean oil industry is nothing short of phenomenal. From less than 1,000,000 bushels prior to 1930, the crop has passed the 80,000,000-bushel mark in the past year. In a paper read in 1928, this writer predicted that soybean oil would become a major crop within the lifetime of most men then living. I now venture to hazard the guess that the expansion of this crop will continue indefinitely. Soybeans have accomplished the apparently impossible feat of letting a man eat his cake and have it too. As value comes out of the soil in the form of beans, value goes back into it through nitrogen absorption. The bean can be used by itself, or can be worked into oil and cake. It seems impossible to stop such a product from becoming increasingly popular.

The story of soybean oil could serve as a useful lesson to our legislators. When it was first imported from Manchuria, some thirty-odd years ago, the linseed oil industry trembled. Rumors had traveled ahead of the first arrivals that the oil would take the place of linseed oil, and at a much cheaper price. But instead of crowding each other out, these two oils, used in conjunction with each other, fertilized the paint industry. More linseed oil and more soybean oil is used than ever before; the linseed oil industry has not suffered. It has always been so. When lacquers were introduced as protective coatings, wood oil dealers feared a cessation of their business. Yet, there was not even a dent in the steadily rising curve of wood oil consumption. The more people fly by plane, the more passengers the railroads carry and the denser the traffic on the highways. One mode of travel stimulates the other. The more raw materials an industry possesses, the more desirable goods it will produce, and the more of all materials it will buy.

As has been pointed out before, the use of soybean oil in paints and linoleum would be greatly stimulated if perilla oil, with which it should be fortified, were always available in reasonable quantities and at a reasonable price.

Tax-Tying Economy

The imposition of any unduly high taxes, tariffs, or duties constitutes an interference with the natural flow of trade and should only be resorted to after serious consideration. Usually, it carries its own penalty. A story is being told about a district in India which was overrun by tigers to such an extent that the wild beasts invaded villages and snatched away babies. A call for help brought 2,000 soldiers into the district, and within a short time the tigers were exterminated. Two years later another call went to the seat of the Indian government. The same district now begged for the reimportation of tigers. In the absence of their natural enemies the wild boars had become so numerous that they were devouring the crops, so that not only the babies, but the entire population, were perishing.

When a duty of 2½ cents per pound was imposed on soybean oil in 1922, the cottonseed oil producers in the United States felt happy; but when the Manchurian soybean oil farmers found they had lost the American market, they exported their surplus to Europe—no American cottonseed oil to speak of has been sent to Europe since.

In the years following 1930 some American interests asked for a protection against Norwegian and British whale oil. They claimed that whale oil, taxed only 6 cents per gallon, was being used as raw material for soap and lard compounds in competition with domestic fats and oils. In 1934 they got additional protection in the form of an excise tax of 3 cents per pound. Immediately the Norwegian whaling industry was in distress. It offered to the German government an exchange of the whale oil which could not be sold to the United States against industrial goods. The German government agreed and substituted whale oil for lard—and the American producers of lard lost about as much as they had hoped to gain.

(To be continued)

Petroleum Freights Upheld

The Interstate Commerce Commission denied that freight charges on petroleum products were discriminatory in dismissing the charges filed by Aderhold and Ellison, Inc., et al, against the Abilene and Southern Railway Company, et al. The complaints had alleged that freight charges on mixed shipments of petroleum products from origins in Arkansas, Kansas, Louisiana, Missouri, Oklahoma and Texas to destinations in Colorado, Kansas, Minnesota, Nebraska and North and South Dakota were unreasonable and unlawful, and in favor of shippers of petroleum products in straight carloads.

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Fertilizer Materials

General Market Listless With End of Season Near — Feed Manufacturers Provide Sole Activity — Japanese Sardine Meal Advanced — Blood and Tankage Reduced

Contract shipments of most raw fertilizer materials, especially chemicals, were about ended last week. Mixers were taking only small amounts of ingredients and finished products were moving slowly. In the South, primary interest centered on top-soil dressing, but it was still a bit too early to expect a heavy call for suitable materials for this operation. One feature of the week was a much better interest shown by feed manufacturers and, as a result, Japanese sardine meal was advanced. High-grade ground blood and various grades of tankage, however, were reduced.

Nitrogenates

Dried Blood.—High-grade ground material reduced 5c. per unit to $2.85, f.o.b. Chicago. Imported firm and unchanged.

Fish Scrap.—Japanese sardine meal advanced $1.50 per ton to $55, c.i.f. ports. Good demand from feed manufacturers. Other grades unchanged.

Nitrate of Soda.—Contract shipments virtually over. Good interest in material for top-soil dressing.

Nitrogen Solution.—Routine and unchanged.

Nitrogenous Material. — Slightly better interest in offerings. All prices steady.

Sulphate of Ammonia. — Market slacker. Price steady.

Tankage.—Unground feeding material reduced 15c. per unit to $2.85 and 10c. at New York. Fertilizer grade and high-ground feeding product both reduced 10c. per unit at Chicago to $3.15 and 10c. and $3.25 and 10c., respectively.

Potashes

The season for all grades of potash was practically terminated last week. Contract shipments of most producers were finished and any material that was in shipment was small in volume. Spot sales of any large tonnages were not reported. Interest was turning toward next season with no indication as yet regarding what the price would be.

Phosphates

Bone Materials. — Domestic grades fairly quiet, with a slight activity on the part of feed manufacturers reported. Prices steady and unchanged.

Phosphate Rock.—Routine and unchanged in price.

Superphosphate.—Run-of-pile material attracting less interest. Guaranteed product quiet. Prices unchanged. Farmers participating in the 1940 agricultural conservation program received 100,699 tons of concentrated superphosphate (45 to 48 percent) and 26,551 tons of 20 percent superphosphate under the AAA grant of aid project.

Sulphur and Pyrites

Deliveries of crude sulphur were again smaller last week with contract shipments practically fulfilled. Spot sales were likewise small and all indications were that the heavy shipping season was over. Pyrites were nominal.

Markets at Other Centers

Atlanta—May 15

Movement of fertilizers to the farm about ended. Market quiet. Interest in top dressing materials not yet developed. Quotations are:—

SUPERPHOSPHATE.—Unchanged.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$23 per ton, port basis.

COTTONSEED MEAL.—8 percent meal $31.50 to $32 per ton, Southeastern mills.

BLOOD.—$2.85 per unit, basis Chicago.

Price Changes

Advanced

Fish scrap, Japanese sardine meal, $1.50 per ton.

Reduced

Blood, high-grade grd., 5c. per unit, f.o.b. Chi.

Tankage, unground feeding, 15c. per unit, basis N.Y.

fertilizer, 10c. per unit, f.o.b. Chi.

high-grade feeding, 10c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

TANKAGE.—High grade, $3.25 and 10c. per unit, Chicago.

Baltimore—May 15

The crude fertilizer materials market lags, with the quotations mainly nominal, and with trading evidently deferred.

FISH SCRAP.—Factories down the Chesapeake Bay will not accept further business now at $3.50 and 10c. per unit-ton, preferring to wait until the outlook clears. Japanese meal is at $55.

TANKAGE.—Quiet, with buyers showing no interest. For 9 to 10 percent material sellers quoted $2.75 and 10c. per unit-ton.

DRIED BLOOD.—Quiet at $2.75 per unit-ton, f.o.b. shipping point. South American supplies are quiet, with offerings at the same price.

SUPERPHOSPHATE. — Unchanged at $8.50 per ton for run-of-pile and $9 per ton for 16 percent milled and screened stocks.

Chicago—May 15

Fertilizer materials easy. Blood market dull. Tankage fair.

BLOOD.—Principal grade, $2.85 per unit.

TANKAGE.—High grade, feeding, $3.25 and 10c.; hoof meal, $2.25 to $2.50; liquid stick, $1.50 to $1.60.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $30; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

San Francisco—May 15

Moderate purchasing and delivery of supplies was reported last week. General status of the market unchanged. Nitrate of soda getting good attention.

Ruling prices are:—

SULPHATE OF AMMONIA.—Nominal quantities reported available at $38 per ton, delivered inland points.

SUPERPHOSPHATE. — Domestic 78c. per unit in bulk, f.o.b. San Francisco Bay. Bags, 90c. per unit.

NITRATE OF SODA—100-pound bags, $29 per ton ex-vessel or warehouse; 200-pound bags, $28.30 per ton ex-vessel or warehouse.

FISH MEAL.—California sardine meal, quoted on the basis of $55 per ton, f.o.b. San Francisco or Monterey.

TANKAGE.—Nominal. Unground fertilizer wet rendered, domestic, $2.40 and 10c. per unit-ton, f.o.b. Northern California. Dry rendered, ground, 50% $39.50 per ton, f.o.b. cars, South San Francisco; unground, dry rendered, 67½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Nominal at $2.80 per unit, f.o.b. cars, Los Angeles.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Fertilizer, June 3-5, White Sulphur Springs.

Potash Antitrust Suit Consent-Decree Filed

—Continued from page 3

all ports on the Atlantic, Gulf, Pacific and St. Lawrence. For delivery at inland points, freight was added to the port price. When the domestic producers entered the market they followed the price structure already established by the importer. Thus a price structure which came into existence when the sole source of supply was in Europe continued without essential modification after the shift of a substantial part of the production to the Southwestern part of the United States.

The Department of Commerce report recommends that this situation be corrected by giving buyers of potash an option of buying either on a delivered basis as at present or on a basis of f.o.b. Carlsbad (the principal point of domestic production) at a differential of $7 less than the seaboard price on high-grade potash salts.

The proposed civil decree prohibits the defendants from agreeing to fix, maintain or adhere to the prices to be charged for potash, the terms and conditions of sale or the discounts to be allowed to purchasers; from agreeing to refrain from competing with each other; from agreeing to quote prices only on the basis of c.i.f. certain ports or to select the ports which will be used for the purpose of such quotations; or from agreeing to refuse to sell potash to individual farmers, form cooperatives or to fertilizer mixers not recognized or approved by all the defendants. The proposed decree does not include the importer, N. V. Potash Export Maatschappy, Inc., which, in consequence of war, has ceased to do business, and whose principal European officers, being of French and German nationality, are unable to communicate with each other. The principal American employees of this company are, however, included in the decree.

In addition, each of the domestic companies has stated its intention of putting into effect the recommendations of the Department of Commerce to grant to buyers an option of buying at delivered prices or f.o.b. the domestic points of production at Carlsbad and Trona respectively. The two Carlsbad companies have announced that for the coming fertilizer season the differential at Carlsbad will be $7.00 less than the seaboard price for high grade salts, while the Trona company has announced that the differential at Trona will be $5.00. Provision is made for reviewing the differential in the future. All three companies have also announced their intention of selling potash in carload lots to cooperatives and other agricultural consumers at the same price quoted to fertilizer mixers. Lastly, each of the companies has indicated its intention, during the present European war, to advise the Department of Justice and Commerce of any proposed increases in prices.

The establishment of a customer's option to buy on a delivered basis or f.o.b. point of production at the proposed differential will result in both immediate and long run advantages of a substantial nature to consumers and is in accord with the department's established policy of requiring constructive action over and above a mere agreement not to violate the anti-trust laws in the future.

The proposed differential will result in reduced prices for potash, as compared with 1939 prices, in nearly all States West of the Alleghenies. While the reduction will vary from point to point, it is estimated that, on the basis of 1939 prices, the total savings to consumers will be in excess of $200,000 for the forthcoming fertilizer year alone.

The potash companies have cooperated fully with the Department of Justice, and each has voluntarily taken action which is almost certain to prevent a recurrence of a sudden price rise, which in the last war went to $300 to $400 per ton. These substantial and far-reaching benefits could not be obtained by simple imposition of criminal penalties. For that reason the department feels justified in recommending the proposed settlement.

Trade Briefs

Nitrogen Products, Inc., of which Chester S. Edwards is president, has moved to new offices at 110 East 42nd street, this city.

Valley Sulphur Company, Lodi, Calif., wil spend between $40,000 and $50,000 to rebuild and re-equip its plant, recently destroyed by fire.

Flournoy C. Johnson, superintendent of the New Orleans plant of the Armour Fertilizer Works, has retired after thirty years of service with the company.

Charles P. O'Brien, assistant manager for the American Agricultural Chemical Company, Buffalo, talked at a recent meeting of the Men's Garden Club of Buffalo.

Fertilizer production by plants in Canada engaged principally in the manufacture of fertilizers was valued at $12,841,300 in 1938, compared with $10,266,953 in 1937.

Union Sulphur Company has brought in a new oil well, flowing in 300 barrels daily in the Sulphur Mines field in Calcasieu Parish, La. Oil was originally discovered in the field by the company in 1926.

Phosphate deposits estimated at 2,000,000 tons have been reported discovered at the south end of Kunyang Lake by the Yunan Development Company, formed by the Chinese Provincial Government and private interests.

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Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, STEARIC—100 bgs, Chemical Bank Trust Co, Rotterdam

ALCOHOL—1 can, French Line, Havre

ALTHEA ROOT—10 bgs, R J Prentiss & Co, Trieste

ALUMINUM FOIL—145 cs, Rohner, Gehrig & Co, Swiss

AMMONIA, PERSULPHATE—100 bbls, Mercantile Import & Export Co, Rotterdam

SALT—32 cks, Advance Solvents & Chem Co, Rotterdam

ANNATTO SEED—300 bgs, J A Manton, Kingston
62 bgs, Mendez & Co, Guayaquil
27 bgs, Schutte & Focke, Trujillo

ANTIMONY, ORE—648 bgs, A W Fenton, Vera Cruz
334 bgs, New York & Cuba Mail S S Co, Vera Cruz
430 bgs, A W Fenton & Co, Vera Cruz
2,276 bgs, New York & Cuba Mail S S Co, Vera Cruz
1,548 bgs, J Henry Schroeder Banking Corp, Talcahuano

ASBESTOS—878 bgs, Keasley & Mattison, Lourenco Marques

ASPHALT—450 bgs, A V Berner & Co, Havana
215 bgs, J J Gavin & Co, Havana
1,110 bgs, Allied Asphalt & Mineral Co, Havana

BABASSU KERNELS—1,500 bgs, General Food Corp, Futoya

BARBERRY LEAVES—110 bls, Peek & Velsor, Genoa

BEEF LIVER EXTRACT—7 kegs, Milton Snedeker Co, Havana

BELLADONNA LEAVES—51 bls, Kachurin Drug Co, Fiume
24 bls, Irving Trust Co, Fiume

BOLDO LEAVES—17 bls, Peek & Velsor, Valparaiso
28 bls, S B Penick & Co, Valparaiso

CANAIGRE ROOT—183 bgs, New York & Cuba Mail S S Co, Vera Cruz

CANARY SEED—390 bgs, Wagner Bros Feed Corp, Buenos Aires
508 bgs, A G Dunn, Buenos Aires

CARAWAY SEED—200 bgs, A G Dunn, Rotterdam
600 bgs, C M Van Sillevoldt, Rotterdam
300 bgs, Levy & Levis Co, Rotterdam
300 bgs, O Gerdau Co, Rotterdam
149 bgs, American Bluefriesveen Co, Rotterdam
100 bgs, R L Friedler, Rotterdam
200 bgs, Holland American Line, Rotterdam
300 bgs, I Grob & Co, Rotterdam
500 bgs, Levy & Levis Co, Rotterdam
200 bgs, Jewett & Sherman, Rotterdam
500 bgs, Archibald & Kendall, Rotterdam
200 bgs, H S Cramer & Co, Rotterdam
50 bgs, Levy & Levis Co, Rotterdam
200 bgs, I Harrison & Whitney, Rotterdam
100 bgs, A G Dunn, Rotterdam
100 bgs, Joel Export & Import Co, Rotterdam
60 bgs, Becker Mayer Seed Co, Rotterdam
200 bgs, Marine Midland Trust Co, Rotterdam
50 bgs, Finch, Jones, Libby, Inc, Rotterdam
875 bgs, Catz American Co, Rotterdam
100 bgs, Durkee Famous Food, Rotterdam
400 bgs, Knickerbocker Mills Co, Rotterdam
100 bgs, Geo Sirota, Rotterdam
100 bgs, Biddle Purchasing Co, Rotterdam
100 bgs, Jewett & Sherman, Rotterdam
50 bgs, R C Williams, Rotterdam
315 bgs, Catz American Co, Rotterdam
200 bgs, R L Friedler, Rotterdam

CARBON—45 cs, M J Corbett & Co, Havre

DECOLORIZING—1,600 bgs, Seatrain Line, Rotterdam

CASEIN—417 bgs, American Cyanamid & Chem Co, Buenos Aires

CASTOR BEANS—58 bgs, C A Mackey, Port Prince

CHAMOIS—1 cs, Havre

CHAMOMILE FLOWERS—40 bls, Peek & Velsor, Fiume
60 bls, S B Penick & Co, Fiume

CHEMICALS—25 cks, E I Du Pont de Nemours Co, Genoa
50 cks, E I Du Pont de Nemours Co, Genoa
100 cks, International Selling Corp, Marseilles
10 cs, 5 dms, Michel Export Co, Rotterdam
4 cs, Hensel, Bruckmann & Lorbacher, Rotterdam
6 cs, E I Du Pont de Nemours Co, Rotterdam
7 cs, E Fougera & Co, Havre
5 cs, Standard Fruit S S Co, Havre
2 cs, J Singer, Havre
1 cs, Geo Borgfeld Corp, Havre
1 cs, Meadows, Wye & Co, Havre
1 cyl, French Line, Havre
3 bgs, 1 cn, French Line, Havre
29 cks, H J Honan, Havre
2 cs, G J Wallau, Havre
1 cs, American Express Co, Havre
3 cs, H S Head, Havre
60 cks, Mercantile Import & Export Co, Havre
1,000 cs, International Selling Corp, Havre
15 dms, Mercantile Import & Export, Co, Havre
200 cs, International Selling Corp, Havre
1 pkg, Rohner, Gehrig & Co, Havre

CHROME—ORE—3,000 tons, E J Lavino & Co, Beira
4,000 tons, E J Lavino & Co, Beira

CINCHONA BARK—55 bls, E Mosheim, Guayaquil
173 bdls, W R Grace & Co, Barranquilla

CINCHONIDINE—1 cs, R W Greeff & Co, Rotterdam

CLAY—14 cks, Tice & Lynch, Havre

COALTAR INTERMEDIATES—20 cns, Goudrand Shipping Co, Swiss
8 cns, Ciba Co, Swiss

COCHINEAL—50 bgs, H H Pike & Co, Rotterdam

COCOA BEANS—500 bgs, Port Prince
1,450 bgs, Port Prince
250 bgs, Puerto Cabello
173 bgs, Wessel, Duval & Co, Manaos

COCOA BEANS—1,250 bgs, Cristobal
834 bgs, Wessel, Kulenkampf & Co, Trujillo
500 bgs, Geck Trading Corp, Macoris
463 bgs, Machado & Co, Sanchez
300 bgs, Wessel, Kulenkampf & Co, Puerto Plata
800 bgs, Machado & Co, Puerto Plata
410 bgs, Guaranty Trust Co, Lisbon
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Guayaquil
250 bgs, A Canal, Guayaquil
250 bgs, Manta
2,100 bgs, La Guaira
400 bgs, Puerto Cabello
625 bgs, Nieschlag & Co, Puerto Cabello
17 bgs, Mecke & Co, Maracaibo
44 bgs, Lopez & Mangual, Maracaibo
47 bgs, Schutte & Focke, Curacao
500 bgs, Porto Cabello
250 bgs, Struller & Wood, Cape Haitien
250 bgs, Transmarine Mercantile Corp, Cape Haitien
500 bgs, General Cocoa Co, Trujillo
500 bgs, Wessel, Kulenkampf & Co, Trujillo
1,013 bgs, Curacao Trading Co, Trujillo
600 bgs, Curacao Trading Co, San Pedro, Macoris
3,274 bgs, Curacao Trading Co, Sanchez
500 bgs, Carr Bros, Puerto Plata
500 bgs, Curacao Trading Co, Puerto Plata
500 bgs, Gillespie & Co, Puerto Plata
250 bgs, Royal Bank of Canada, Puerto Plata
699 bgs, Curacao Trading Co, Puerto Plata
200 bgs, Chase Natl Bank, Cristobal
250 bgs, Cristobal
90 bgs, Manaos
225 bgs, Itacoatiara

COCONUTS—1,182 bgs, General Food Corp, Kingston
500 bgs, I L Toledano Corp, Kingston
284 bgs, General Food Corp, Kingston
300 bgs, I L Toledano Corp, Cristobal

COLOCYNTH—91 bls, S B Penick & Co, Trieste
46 bls, Chase Natl Bank, Trieste
24 bls, J Flannery, Trieste

COLORS—1 cs, B F Drakenfeld & Co, Havre
1 cs, J E Bernard & Co, Havre

COPAIBA, BALSAM—20 cs, W R Grace & Co, Cristobal

CORK—75 bls, L Pardo, Lisbon
19 bgs, Mundet Cork Corp, Lisbon
17 bls, Globe Shipping Co, Lisbon

STOPPERS—3 bls, Penson & Co, Valencia

VIRGIN — 454 bls, Armstrong Cork Co, Lisbon
2,037 bls, Lisbon

WASTE—4,809 bls, Mundet Cork Corp, Lisbon
600 bls, Lisbon
150 bls, Cork Trading Co Lisbon
3,279 bls, Mundet Cork Corp, Lisbon
3,113 bls, Armstrong Cork Co, Lisbon
727 bls, Lisbon
73 bls, Chase National Bank, Bordeaux

WOOD—1,079 bls, Irving Trust Co, Seville
1,814 bls, Consolidated Cork Corp, Seville
60 bls, Mundet Cork Corp, Seville
289 bls, Pablo Calvet & Co, Seville
272 bls, Cork Trading Co, Seville
1,812 bls, Lisbon
197 bls, Wicander & Co, Lisbon

COTTON LINTERS — 743 bls, Williamson Product Co, Cabedello

CUMIN SEED—50 bgs, New York & Cuba Mail S S Co, Marseilles

CUTTLEFISH BONES—107 cs, Pardeaux
185 cs, Frank Vliet Co, Marseilles
200 cs, Peek & Velsor

DEXTRIN, POTATO—350 bgs, Stein, Hall & Co, Rotterdam

DRUGS—8 cks, American Express Co, Havre

DYES, ANILIN—49 cks, Geigy Co, Genoa
58 cyls, Sandoz Chem Works, Swiss
37 cks, Geigy Co, Swiss
7 dms, 2 cks, Ciba Co, Swiss
16 dms, Wedemann & Godknecht, Swiss
15 dms, L & R Organic Prod Co, Rotterdam
4 cks, Lowenstein & Son, Havre
4 cks, St Dennis Kuhlman, Havre
3 cans, Lowenstein & Son, Havre
34 cans, French Line, Havre

EARTH—4 cs, Argentine Oil Fields, Buenos Aires

ERGOT—17 cs, S B Penick & Co, Trieste
15 cs, S B Penick & Co, Trieste

FILTER PAPER—109 bls, 1 cs, J Manheimer, Bordeaux

FISH SOUNDS—2 bls, H E Ney, Lisbon

GELATIN—100 bgs, Havre

POWD—200 bgs, International Selling Corp, Antwerp
60 bls, International Selling Corp, Antwerp

SHEET—70 bgs, T M Duche & Sons, Rotterdam
5 cs, T M Duche & Sons, Rotterdam

GLANDS—76 cs, Buenos Aires

PITUITARY—21 cs, Gruber, Howard & Dansey, Montevideo

GINGER ROOT—52 bgs, Kingston

GLASS, COLORED—47 cs, Leo Popper & Son, Bordeaux

DRAWN—7 cs, J H Werbelowsky Son, Genoa

SHEET—1,050 cs, Seaborn Glass Corp, Antwerp
1 cs, Clay Adams Co, Rotterdam

WINDOW—96 cs, National City Bank, Genoa
2 cs, J H Werbelowsky Son, Genoa
15 cs, Schrenk & Co, Genoa
3 cs, Abbott Glass Co, Genoa
192 cs, Semon, Bache & Co, Antwerp

GLUE—200 bgs, Rex & Reynolds, Marseilles
51 cs, Rex & Reynolds, Marseilles
5 cks, New York & Cuba Mail S S Co, Marseilles

GRAPHITE—50 bgs, Tandjong Priok
667 bgs, Jos Dixon Crucible Co, Colombo
235 bgs, Asbury Graphite Mills, Colombo

GREASE—1 cs, French Line, Havre

GUM, ARABIC—150 bgs, Frank Vliet Co, Alexandria

CHICLE—469 bls, Chicle Development Co, Porto Barrios

COPEL—152 baskets, O G Innes Corp, Macassar
68 bgs, O G Innes Corp, Macassar
1 cs, E Miltenberg, Inc, Macassar
139 baskets, Macassar

GUM, DAMMAR—200 cs, Thurston & Braidich, Batavia

GUAIAC—25 cs, Schutte & Focke, Azua

HEMPSEED—250 bgs, Smith & Bird, Valparaiso

HERBS, MED—1 cs, Alpinol Corp, Genoa
8 bls, J L Hopkins & Co, Trieste
8 bls, J L Hopkins & Co, Trieste

HOREHOUND LEAVES—43 bls, Peek & Velsor, Trieste

IRISH MOSS—50 bls, Innis, Speiden & Co, Havre
50 bls, S B Penick & Co, Havre
50 bls, Peek & Velsor, Havre
100 bls, S B Penick & Co, Havre
100 bgs, Irving Trust Co, Havre
50 bls, S B Penick & Co, Havre

IRON, OXIDE—80 bbls, Atlantic Freighting Co, Malaga
250 bbls, Robinson Wagner Co, Malaga
10 bbls, C B Christal & Co, Malaga
40 bbls, Reichard Coulston, Malaga
50 cks, Wishnick Tumpeer Co, Malaga
800 bgs, T H Deutz, Sete

JALAP ROOT—40 bgs, New York & Cuba Mail S S Co, Vera Cruz
35 bgs, Vera Cruz

LAUREL LEAVES—20 bls, New York & Cuba Mail S S Co, Marseilles

LEAVES, MED—5 bgs, New York & Cuba Mail S S Co, Marseilles
20 bls, Norwich Pharm Co, Antwerp

LECITHIN, SOYBEAN—10 tins, Biological Raw Product Co, Rotterdam

MACE—7 cs, Catz American Co, Macassar

MAGNESIA—14 cs, Lo Curto & Funk, Marseilles

CARBONATE—130 cs, National City Bank, Genoa

MANGROVE BARK — 2,675 bgs, Greene, Jourdain Co, Beira

MANNA—20 cs, McKesson & Robbins, Messina

MATE—34 cyls, Buenos Aires

MEDICINAL PREP—1 cs, Schering Corp, Buenos Aires
4 cs, Italian Drug Import Co, Genoa
3 cs, Hoffmann-La Roche, Swiss
22 cs, Sandoz Chem Works, Swiss
5 cs, Ciba Pharm Co, Swiss
20 cyls, Ciba Pharm Co, Swiss
1 cs, New York Hospital, Curacao

MENTHOL—25 cs, Theo Seltzer, Marseilles

MELILOTI FLOWERS—2 bls, J L Hopkins & Co, Trieste

MICA—17 cs, J Koppel, Buenos Aires
12 cs, Buenos Aires

MINERAL—18 cs, Watson, Geach & Co, Barranquilla

MUSTARD—85 cs, Jules Weber, Havre

SEED—200 bgs, Catz American Co, Rotterdam
150 bgs, Durkee Famous Food, Rotterdam
400 bgs, Bankers Trust Co, Rotterdam
75 bgs, I Harrison & Whitney, Rotterdam
40 bgs, Knickerbocker Mills Co, Rotterdam
75 bgs, Levy & Levis Co, Rotterdam

OIL, BERGAMOT—13 cs, W J Bush & Co, Messina
7 cs, Paulo Martino, Messina
10 cs, Dodge & Olcott Co, Messina

CARAWAY—4 cs, Ungerer & Co, Rotterdam
5 cs, W J Bush & Co, Rotterdam

CITRONELLA—10 dms, Batavia

ESSENTIAL—55 dms, H A Sothern, Puerto Barrios
11 dms, F W Pabst, Vera Cruz
6 cs, Givaudan Delawanna, Marseilles
2 dms, 2 cs, Naugatuck Aromatics, Marseilles
1 cs, Central Hanover Bank Trust Co, Marseilles
11 cs, Titan Shipping Co, Genoa
2 cs, Alpinol Corp, Genoa
2 cs, New York World Fair, Naples
1 dm, 1 cs, New York & Cuba Mail S S Co, Rotterdam
1 cs, Van Ameringen Haebler, Rotterdam
2 cs, 10 dms, New York & Cuba Mail S S Co, Vera Cruz
2 cs, Van Ameringen Haebler, Vera Cruz
1 cs, National City Bank, Havre
8 cks, Central Hanover Bank Trust Co, Havre
6 cs, Caron Corp, Havre
1 cs, Lunham & Reeve, Havre
6 cs, Dodge & Olcott Co, Havre
5 cs, Perfumers Mfg Co, Havre
1 cs, Nanty, Inc, Havre
60 cs, American Express Co, Havre
1 cs, Hutzler Bros, Havre
1 cs, M J Corbett & Co, Havre
14 pkgs, French Line, Havre
3 cs, H W Robinson & Co, Havre
42 cs, Rohner, Gehrig & Co, Havre
5 cs, Stern Stiner Co, Havre

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
91,381 bbls, Asiatic Petroleum Corp, Curacao

LAVENDER—25 dms, Malaga

LEMON—10 cs, Wells, Fargo & Co, Vera Cruz
10 cs, A Chiris Co, Messina
150 cs, Fritzsche Bros, Messina
15 cs, Paulo Martino, Messina
25 cs, Dodge & Olcott Co, Vera Cruz

LINALOE—3 dms, New York & Cuba Mail S S Co, Vera Cruz

MANDARIN—3 cs, Orbis Product Corp, Valencia

MINERAL—10 dms, Socony Vacuum Oil Co, Buenos Aires

OLIVE—100 cs, National City Bank, Seville
100 cs, 40 dms, Banco di Napoli, Seville
60 dms, Venice Import Co, Seville
40 cs, Public National Bank, Seville
340 dms, Atlantic Freighting Co, Seville
280 cs, Seville
261 cs, Corn Exchange Bank Trust Co, Seville
685 cs, Irving Trust Co, Seville
10 dms, Irving Trust Co, Seville
10 dms, 50 cs, Manufacturers Trust Co, Seville
10 dms, 25 cs, Pan American Trust Co, Seville
250 cs, Banco di Napoli Trust Co, Seville
100 dms, 75 cs, National City Bank, Seville
20 dms, 25 cs, Banco di Napoli Trust Co, Seville
171 cs, Corn Exchange Bank Trust Co, Seville
375 cs, Seville
10 dms, 100 cs, Banco di Napoli Trust Co, Seville
275 dms, Chemical Bank Trust Co, Seville
125 cs, Chase Natl Bank, Seville

OIL, OLIVE—150 cs, Seville
150 cs, Chase Natl Bank, Seville
50 cs, C H Arnold & Co, Bordeaux
195 cs, Schenley Import Corp, Bordeaux
50 cs, Bordeaux
24 cs, G Paolo, Palermo
10 cks, Lopez Antonio, Messina
35 cs, Inter Mercantile Forwarding Co, Messina
25 cs, Liberty Title & Trust Co, Messina
450 cs, Bank of Napoli Trust Co, Malaga
10 dms, 100 cs, Bank of Napoli Trust Co, Seville
15 dms, Bank of Manhattan, Malaga
50 dms, Bank of Napoli Trust Co, Seville
20 dms, Bank of Manhattan, Seville
2,170 cs, Seatrain Line, Seville
16 cs, Copeland Shipping Co, Naples
24 cs, General Shipping Co, Naples
150 dms, Smith Weihman Co, Piraeus
75 dms, J Ossola, Mitylene
100 dms, Venice Import Co, Mitylene
50 dms, Pastene & Co, Mitylene
100 dms, Venice Import Co, Mitylene
50 dms, J Alban & Co, Mitylene
25 dms, B Spilladis & Co, Mitylene
100 dms, D F De Bernardi, Mitylene
50 dms, W A Taylor & Co, Mitylene
25 dms, J C Gabriel, Mitylene
25 dms, Albert N Cory, Mitylene
100 dms, Schroeder Bros, Mitylene
50 dms, A Fantis, Mitylene
100 dms, Bank of Greece, Canea
175 dms, National Bank of Greece, Aghios, Nicolaos
25 dms, Manufacturers Trust Co, Valonia
125 dms, Malaga
102 cs, Atlantic Freighting Co, Malaga
100 dms, R U Delapanha & Co, Malaga
175 cs, 50 dms, Bank of Napoli, Malaga
65 cs, New York & Cuba Mail S S Co, Malaga
25 dms, 50 cs, Banco di Napoli, Seville
100 cs, 25 dms, Strohmeyer & Arpe Co, Seville
50 dms, Manufacturers Trust Co, Seville

OLIVE, SULPHUR—200,000 kilos, Douredore Bros, Polychinto
50,000 kilos, Douredore Bros, Polychinto
100 dms, Welch, Holme & Clark, Canea
25 dms, Commi Bank of Greece, Canea
165,000 kilos, National Bank of Greece, Canea
155,700 kilos, Bank of Athens, Canea
162,350 kilos, National Bank of Greece, Canea
158,000 kilos, National Bank of Greece, Aghios Nicolaos

ORANGE—10 cs, Geo Lueders & Co, Kingston
4 cs, Dodge & Olcott Co, Kingston
10 cs, United Fruit Co, Kingston

PALM—1,513 tons, N V Handelsverg, Belawan Deli

PETTIGRAIN—25 cs, Buenos Aires

ROSE—10 cs, Geo Lueders & Co, Genoa

ROSEMARY—11 dms, Dodge & Olcott Co, Genoa
1 dm, A Chiris Co, Genoa

SYNTHETIC—50 cs, Polaks Frutal Works, Rotterdam

THYME—3 dms, Dodge & Olcott Co, Genoa

OPIUM—99 cs, New York Quinine & Chem Works, Istanbul
114 cs, Mallinckrodt Chem Works, Istanbul
146 cs, Merck & Co, Istanbul

ORANGE PEEL—18 bgs, Peek & Velsor, Genoa
1 bbl, Titan Shipping Co, Port au Prince

ORRISROOT—99 bgs, Irving Trust Co, Leghorn
24 bls, J L Hopkins & Co, Leghorn

PAPAIN—10 cs, J L Hopkins & Co, Colombo

PAPRIKA—300 cs, Atlantic & Pacific Tea Co, Valencia
10 cs, Seatrain Line, Seville
50 bgs, Knickerbocker Mills Co, Genoa
25 bgs, H S Head, Genoa
25 cs, Sure Rise Baking Prod Co, Trieste
35 cs, L Lefft, Trieste
50 bgs, Durkee Famous Food, Trieste

PARAFFIN—10,720 bgs, Asiatic Petroleum Corp, Balik Papain

PEATMOSS—1,000 bls, Kaufmann Co, Rotterdam
400 bls, Kaufmann Co, Rotterdam
701 bls, Ernst Bremerman & Co, Rotterdam
1,000 bls, Marine Midland Trust Co, Rotterdam

PEPPER, WHITE—242 bgs, Oosthaven

POPPY FLOWERS—6 bgs, Peek & Velsor, Genoa

POPPYSEED—200 bgs, Becker & Mayer Seed Co, Istanbul
200 bgs, Biddle Purchasing Co, Istanbul
120 bgs, Jaburg Bros, Rotterdam
300 bgs, Levy & Levis Co, Rotterdam
100 bgs, R C Williams, Rotterdam
92 bgs, Becker & Mayer Seed Co, Rotterdam
100 bgs, Durkee Famous Foods, Rotterdam
65 bgs, Joel Mieler Export & Import Co, Rotterdam
100 bgs, Knickerbocker Mills Co, Rotterdam
210 bgs, Joel Bieler Export & Import Co, Rotterdam
50 bgs, Finch, Jones, Libby, Inc, Rotterdam
300 bgs, Biddle Purchasing Co, Rotterdam
100 bgs, Catz American Co, Rotterdam
100 bgs, Knickerbocker Mills Co, Rotterdam
200 bgs, R L Friedler, Rotterdam
100 bgs, J Pechman & Co, Rotterdam
200 bgs, I Grob & Co, Rotterdam
200 bgs, Biddle Purchasing Co, Rotterdam
100 bgs, S Davis & Co, Rotterdam
400 bgs, Catz American Co, Rotterdam
100 bgs, Finch, Jones, Libby, Inc, Rotterdam
175 bgs, H S Cramer Co, Rotterdam
300 bgs, Levy & Levis Co, Rotterdam
100 bgs, Jewett & Sherman, Rotterdam
300 bgs, A G Dunn, Rotterdam
600 bgs, C M Van Sillevoldt, Rotterdam
525 bgs, Levy & Levis Co, Rotterdam
256 bgs, C M Van Sillevoldt, Rotterdam
200 bgs, O Gerdau Co, Rotterdam
200 bgs, American Bluefriesveen Co, Rotterdam
50 bgs, R L Friedler, Rotterdam
300 bgs, Catz American Co, Rotterdam
200 bgs, Biddle Purchasing Co, Rotterdam

PORK LIVER EXTRACT—3 kegs, Milton Snedeker Co, Havana

POTASH, SULPHATE—400 bgs, French Potash Co, Antwerp
4,850 bgs, French Potash Co, Antwerp

PYRETHRUM FLOWERS—28 bls, J L Hopkins & Co, Dubrovnik
QUASSIA CHIPS—200 bls, R J Prentiss & Co, Kingston
200 bls, United Fruit Co, Kingston
QUEBRACHO EXTRACT—6,325 bgs, International Product Corp Buenos Aires
2,132 bgs, Tannin Corp, Buenos Aires
2,397 bgs, Tannin Corp, Buenos Aires
QUICKSILVER—29 flasks, Chase Natl Bank, Vera Cruz
80 flasks, Chase Natl Bank, Vera Cruz
38 flasks, A W Fenton & Co, Vera Cruz
105 flasks, Chase Natl Bank, Vera Cruz
14 flasks, R C Palazuelos, Vera Cruz
QUININE—70 cs, R W Greeff & Co, Rotterdam
ROOT, MED—43 bls, J L Hopkins & Co, Trieste
12 bls, J L Hopkins & Co, Trieste
1 bl, 12 bgs, J L Hopkins & Co, Trieste
ROSIN—10 cs, Mecke & Co, Trujillo
SARSAPARILLA ROOT—20 bls, United Fruit Co, Kingston
SAWDUST—485 bgs, State Chem Co, Rotterdam
SHELLAC—100 bgs, E E Androvette, Calcutta
SEEDLAC—200 bgs, E E Androvette, Calcutta
SIENNA—27 cks, Reichard Coulston, Leghorn
SILVER SULPHIDES—112 bgs, J Henry Schroeder Banking Corp, Antofagasta
SOAP BARK—288 bls, Duncan, Fox & Co, Valparaiso
SOAP—1 cs, 2 cyls, French Line, Havre
TOILET—7 cs, H W Robinson & Co, Havre
SODA NITRATE—22,400 bgs, Chilean Nitrate Sales Corp, Tocopilla
SILICOFLUORIDE—400 cks, Continental Bank Trust Co, Leghorn
600 bgs, Guaranty Trust Co, Lisbon
SPONGES—34 bls, Havana
45 bls, S Miloponpos, Havana
2 bls, J H Rhodes & Co, Havana
144 bls, New York & Cuba Mail S S Co, Havana
45 bls, Havana
3 bls, Maurice Levy, Havre
REFUSE—12 bls, New York & Cuba Mail S S Co, Havana
8 bls, Havana
STARCH, CHEM TREATED—80 bgs, Keller Dorian Paper Co, Rotterdam
POTATO—250 bgs, Stein, Hall & Co, Rotterdam
SOLUBLE—150 bgs, Stein, Hall & Co, Rotterdam
TALC—100 bgs, Charles Mathieu, Genoa
300 bgs, C B Chrystal & Co, Genoa
TANNIN MATERIAL—6 cks, Geigy Co, Swiss
TANTALITE—9 bgs, Pan American Trading Co, Cabedello
TAPIOCA FLOUR—907 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Batavia
SEED—415 bgs, Stein, Hall & Co, Sourabaya
TARTAR—1,242 bgs, Charles Pfizer & Co, Naples
458 bgs, Charles Pfizer & Co, Messina
2,906 bgs, Charles Pfizer & Co, Genoa
135 bgs, Standard Brands, Marseilles
268 bgs, Standard Brands, Talcahuano
THYME LEAVES—29 bls, J L Hopkins & Co, Marseilles
TINCTORIAL EXTRACT—200 cs, American Dyewood Co, Havre
TIN ORE—239 bgs, J Henry Schroeder Banking Corp, Talcahuano
TUMERIC—27 bgs, H P Winter & Co, Curacao
240 bgs, Volkart Bros, Cochin
VALONIA, BEARDS—1,861 bgs, Barkey Import Co, Chanak
CUPS—742 bgs, Barkey Import Co, Chanak
VANADIUM—8,222 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—83 cs, New York & Cuba Mail S S Co, Vera Cruz
85 cs, Thurston & Braidich, Vera Cruz
12 cs, Chase Natl Bank, Vera Cruz
12 cs, Dodge & Olcott Co, Vera Cruz
35 cs, F Huber & Co, Vera Cruz
9 cs, Marseilles
67 cs, Guaranty Trust Co, Marseilles
15 cs, Guaranty Trust Co, Marseilles
7 cs, Geo Lueders & Co, Vera Cruz
29 cs, F Huber & Co, Vera Cruz
51 cs, Thurston & Braidich, Vera Cruz
12 cs, Chase Natl Bank, Vera Cruz
14 cs, Dodge & Olcott Co, Vera Cruz
VARNISH—10 cs, French Line, Havre
WAX, BEES—5 bgs, Curacao Trading Co, Port Prince
11 bbls, Porto Barrios
10 bgs, Mecke & Co, Trujillo
18 seroons, Porcella, Vicini & Co, Puerto Plata
11 seroons, H H Pike & Co, Puerto Plata
2 seroons, Porcella, Vicini & Co, Puerto Plata
20 bgs, New York & Cuba Mail S S Co, Havana
77 bgs, W R Grace & Co, Valparaiso
6 bgs, Havana
46 bgs, Banco Aleman Transatlantico, Talcahuano
79 bgs, Duncan Fox & Co, Valparaiso
80 bgs, Guaranty Trust Co, Valparaiso
50 bgs, Schutte & Focke, Trujillo
10 bgs, Schutte & Focke, Azua
6 bgs, Curacao Trading Co, Puerto Plata
CARNAUBA—56 bgs, Strahl & Pitsch, Rio Janeiro
55 bgs, W R Grace & Co, Ceara
55 bgs, Wessel, Duval & Co, Ceara
55 bgs, American Cyanamid & Chem Co, Ceara
56 bgs, Wessel, Duval & Co, Ceara
125 bgs, Strahl & Pitsch, Tutoya
63 bgs, Wm M Allison & Co, Tutoya
63 bgs, Wessel, Duval & Co, Tutoya
55 bgs, T G Cooper & Co, Ceara
163 bgs, Wm M Allison & Co, Ceara
WHITING—800 bgs, Nicholas H Weitzner, Antwerp
WINE LEES—82 bgs, Standard Brands, Talcahuano
WOLFRAM ORE—20 bls, 100 bgs, Chase Natl Bank, Lisbon
174 bgs, Watson Geach Co, Arica
7 bbls, Lisbon
WOODFLOUR—400 bgs, State Chem Co, Rotterdam
1,200 bgs, State Chem Co, Rotterdam

New York Transit Imports

GELATIN, POWD—44 bbls, H Lawton & Co, Rotterdam, Toronto
GLANDS, BEEF—201 cs, Ell Lilly & Co, Montevideo, Indianapolis
CALVES—47 cs, Ell Lilly & Co, Montevideo, Indianapolis
IRON OXIDE—50 bbls, L H Butcher & Co, Malaga, Los Angeles
25 bbls, L H Butcher & Co, Malaga, Seattle
MEDICINAL PREPS—12 cs, American Express Co, Rotterdam, Toronto
OIL, OLIVE—150 cs, Seville, Chicago
35 dms, Seville, Chicago
PAPRIKA—35 bgs, 15 cs, Carcell Pick Import Co, Trieste, Cleveland
200 bgs, American Spice Mills, Trieste, Chicago
STARCH, POTATO—50 bgs, Arnold Hoffman & Co, Rotterdam, Providence
VANILLA BEANS—10 cs, Zink & Triest, Vera Cruz, Philadelphia
9 cs, Zink & Triest, Vera Cruz, Philadelphia
10 cs, Zink & Triest, Vera Cruz, Philadelphia

Baltimore Imports

CHROME ORE—3,000 tons, Manila
IRON ORE—6,997 tons, Bethlehem Steel Co, Helen, Narvik
MANGANESE ORE—1,000 tons, Durban
7,350 tons, Takoradi
2,000 tons, Bais
7,600 tons, Bethlehem Steel Co, Poti
MEDICINAL PREP—25 cs, Rotterdam
OIL, FUEL—91,013 bbls, Mexican Pet Corp, Permian, Aruba
OLIVE—2 cs, Trieste
PETROLEUM, CRUDE—131,144 bbls, Standard Oil Co, Las Piedras
PHOSPHATE, AMMONIATED — 907 bgs, Antwerp

Boston Imports

CHARCOAL, WOOD—125 bgs, Canadian National Grand Railway, Rotterdam
COCOA BEANS—200 bgs, Manaos
CORUNDUM—1,548 bgs, American Abrasive Co, Lourenco Marques
1,239 bgs, American Abrasive Co, Lourenco Marques
MICA, BLOCK—20 cs, First National Bank, Buenos Aires
PEPPER, BLACK—258 bgs, Catz American Co, Tandjong Priok
225 bgs, Oosthaven
TAPIOCA FLOUR—657 bgs, Stein, Hall & Co, Sourabaya
1,000 bgs, Chase National Bank, Cheribon
250 bgs, Cheribon

Charleston Imports

TAPIOCA FLOUR—300 bgs, Irving Trust Co, Cheribon

Los Angeles Imports

ANTIMONY ORE—85,000 lbs, Iguala
CANARY SEED—110,320 lbs, Buenos Aires
CHILLIES—7,000 lbs, Kobe
CLOVES—8,860 lbs, Dutch East Indies
COALTAR, DEHYDRATED — 148,830 lbs, London
PRODUCTS—10 lbs, Yokohama
COPRA MEAL—915 sks, 91,500 lbs, Manila
30,960 bgs, 3,096,000 lbs, Manila
8,000 bgs, 800,000 lbs, Cebu
5,000 bgs, 500,000 lbs, Cebu
20,320 bgs, 2,032,000 bls, Manila
FISH LIVERS—69 tins, 2,760 lbs, Japan
400 tins, 16,000 lbs, Yokohama
1,350 tins, 56,400 lbs, Yokohama
GUM, COPAL CHIPS—6,610 lbs, Macassar
DAMMAR—6,950 lbs, Macassar
HERBS—160 lbs, Yokohama
INK—60 lbs, Yokohama
LIVER MEAL—297,920 lbs, Buenos Aires
MEDICINAL PREPS—230 lbs, Yokohama
PEANUTS—57,500 lbs, Manila
PEPPER, WHITE—140 lbs, Guayaquil
PHOSPHATE, BONE, PRECIP—100,800 lbs, The Hague
QUEBRACHO EXT—107,860 lbs, Asuncion
RICE FLOUR—240 lbs, Kobe
550 lbs, Yokohama
SESAME SEED—1,600 lbs, Hongkong
SHELLAC—16,400 lbs, Calcutta
SOYBEANS—300 lbs, Yokohama
TALC—44,100 lbs, Bordeaux
TAPIOCA FLOUR—26,960 lbs, Dutch East Indies
WAX, MINERAL, REFD—417 bgs, 55,150 lbs, Soengei Gerong

Norfolk Imports

TAPIOCA FLOUR—1,058 bgs, Irving Trust Co, Tjilatjap
951 bgs, Irving Trust Co, Cheribon

Philadelphia Imports

ASBESTOS, CRUDE—1,834 bgs, New Asbestos Distributors, Ltd, Beira
BONES—3,968 bgs, Phila National Bank, Buenos Aires
1,845 tons, Buenos Aires
GRANULATED—2,601 bgs, Buenos Aires
BONEMEAL—1,082 bgs, Buenos Aires
CANARY SEED—331 bgs, Buenos Aires
CINCHONA BARK—150 bls, Merck & Co, Palembang
488 bls, Merck & Co, Tandjong-Priok
COCOA BEANS—250 bgs, Samarang
COCONUT, DESIC—2,400 cs, Bank of California, Kobe
CORK, VIRGIN — 458 bls, Armstrong Cork Co, Lisbon
WASTE — 5,574 bls, Armstrong Cork Co, Laro
1,606 bls, Armstrong Cork Co, Lisbon
151 bls, Wicander & Co, Lisbon
404 bls, Armstrong Cork Co, Lisbon
WOOD—52 bls, Armstrong Cork Co, Faro
194 bls, Armstrong Cork Co, Lisbon
CHROME ORE—4,000 tons, E J Levino & Co, Beira
508 tons, Central Hanover Bank & Trust Co, Bahia
FISH LIVERS—586 tins, Yokohama
GRAPHITE, POWD—250 bgs, New York Trust Co, Tamatave
GREAVES—1,118 cakes, 32 bgs, Buenos Aires
MACE—31 cs, Macassar
MAGNESITE, CALC—294 bgs, General Magnesite & Magnesia Co, Fiume
CAUSTIC, CALCINED—275 bgs, General Magnesite & Magnesia Co, Thesaloniki
MOLASSES—1,358,440 gls, E I du Pont de Nemours & Co, Inc, Antilla
800,912 gls, E I du Pont de Nemours & Co, Inc, Santiago de Cuba
595,940 gls, E I du Pont de Nemours & Co, Cienfuegos
OIL, CODLIVER—30 dms, Sea Board & Supply Co, Bergen
25 dms, United Feed Co, Bergen
OLIVE—40 dms, National Bank of Greece, Aghio Nicolaos
40 dms, 40 cs, Seville
125 cs, Leghorn
150 dms, Tradesmen's National Bank & Trust Co, Seville
25 cs, Corn Exchange National Bank & Trust Co, Genoa
29 cs, Banco di Napoli Trust Co of New York, Genoa
OLIVE, SULPH—107 bbls, Philadelphia National Bank, Lisbon
100 bbls, Manufacturers Trust Co, Lisbon
TEASEED—100 dms, Central Hanover Bank & Trust Co, Shanghai
PALM—500 tons, Belawan Deli
PETROLEUM, CRUDE—31,192 bbls, Gulf Oil Corp, Puerto la Cruz
122,142 bbls, Gulf Oil Corp, Las Piedras
99,480 bbls, Gulf Oil Corp, Las Piedras
PAPRIKA, GRD—100 bgs, J K Laudensberger, Trieste
250 bgs, R T French Co, Trieste
SPANISH—100 bgs, Jose Navarro, Valencia
QUEBRACHO EXTRACT — 2,331 bgs, National Shawmut Bank of Boston, Buenos Aires
RED OXIDE—547 bbls, F B Vandegrift & Co, Malaga
SODA, SILICOFLUORIDE—550 bgs, Sterling Supply Corp, Copenhagen
250 bgs, E M Sergeant Pulp & Chemical Co, Copenhagen
214 bbls, H Kohnstamm & Co, Copenhagen
SHELLAC—2,300 bgs, Calcutta
STARCH, MANIOC—417 bgs, Philadelphia National Bank, Rio de Janeiro
TANKAGE, CRUSHED — 835 bgs, Buenos Aires
TAPIOCA FLOUR—500 bgs, Philadelphia National Bank, Cheribon
PEARL—325 bgs, National City Bank of New York, Sourabaya

Exports from U.S. Ports

Baltimore Exports

ASPHALT, SOLID—5,700 lbs, destination unknown

Los Angeles Exports

ACETONE—56 dms, 20,050 lbs, Buenos Aires; 3 dms, 1,050 lbs, Buenaventura
ACID, BORIC—10 bbls, 3,100 lbs, Manila; 300 bgs, 33,080 lbs, Shanghai
CITRIC—220 lbs, Buenaventura; 100 lbs, Yokohama; 100 lbs, Tokio
CRESYLIC—440 lbs, Manila
SALICYLIC—30 lbs, Hongkong
TANNIC—100 lbs, Hongkong
ALUMINUM POWDER—10,000 lbs, Hongkong
ASPHALT—20 bbls, 4,280 lbs, Panama
LIQUID—20 pls, 940 lbs, Hongkong
BARIUM SULPHATE—5,000 lbs, Hongkong
BLEACHING POWDER—5,600 lbs, Hongkong
BLUE, ULTRAMARINE—400 lbs, Hongkong
BORATE—10 bbls, 2,210 lbs, Rio Janeiro
BORAX—60 bgs, 6,000 lbs, Manila; 100 bgs, 11,030 lbs, Rio Janeiro; 100 cs, 11,200 lbs, Manzanillo; 22 bgs, 2,200 lbs, Buenaventura; 2,604 bgs, 430,840 lbs, Osaka; 5 cs, 120 lbs, Vancouver
CARBON—5 dms, 250 lbs, Hongkong
CEMENT, RUBBER—17,470 lbs, Yokohama
CHEMICALS—300 lbs, Manila
CHILI POWDER—200 lbs, Cristobal
CHLOROFORM—200 lbs, Hongkong
CLAY, FILTER—120 sks, 6,000 lbs, Hilcrest
CLEANER—1,120 lbs, Manila; 1,330 lbs, Hongkong; 2,600 lbs, Vancouver; 170 lbs, Vancouver
COLOR, DRY—10,380 lbs, Manila; 100 lbs, Hongkong; 4,880 lbs, Dar Salaam
DIATOMACEOUS EARTH—6 bgs, 600 lbs, Panama; 200 bgs, 12,500 lbs, Port Elizabeth; 100 bgs, 6,250 lbs, East London; 50 bgs, 3,130 lbs, Beira; 100 bgs, 6,250 lbs, East London; 120 bgs, 8,250 lbs, Durban; 310 bgs, 31,000 lbs, Vancouver
DIETHYLENE OXIDE—920 lbs, Hongkong
DIMETHYL PHTHALATE — 540 lbs, Hongkong
ETHYLENEGLYCOL ACETATE—860 lbs, Hongkong
GASOLINE—18,383 bbls, Balboa/Cristobal
GLYCERIN—500 lbs, Manila
GREASE—375 pkgs, 33,120 lbs, Manila; 280 pkgs, 22,840 lbs, Panama; 3 bbls, 680 lbs, Balboa
INSECTICIDE—490 lbs, Panama
KEROSENE—7,991 bbls, Balboa/Cristobal
LACQUER—4,210 lbs, Manila; 20,280 lbs, Durban; 1,760 lbs, Mexico City
THINNER—16,770 lbs, Manila; 16,000 lbs, Manila; 28,800 lbs, Durban; 880 lbs, Mexico City
LARD SUBSTITUTE—1,250 lbs, Manila
MAGNESIA SULPHATE—500 lbs, Hongkong
MEDICINAL PREPS—320 lbs, Port Elizabeth; 110 lbs, Hongkong
MINERAL SPTS—20 cs, 2 dms, 2,550 lbs, Panama
OIL, COTTONSEED—3,080 lbs, Manila
DIESEL—31,928 bbls, Osaka; 80,142 bbls, Balboa; 98 bbls, Chanaral; 11,872 bbls, Corinto
FUEL—18,197 bbls, Osaka; 54,697 bbls, Kure; 75,346 bbls, Balboa; 63,536 bbls, Manila; 25,018 bbls, Chanaral; 25,003 bbls, Tocopilla; 52,011 bbls, San Jose de Guatemala
LUBRICATING—405 pkgs, Manila; 90 dms, 40 cs, Manila; 180 ctns, 65 pls, 185 dms, Panama; 10 dms, 135 ctns, Balboa
OLEO—2,150 lbs, Hongkong
PALM, HYDROG—1,000 bgs, 100,000 lbs, Manila
VEGETABLE, HYDROG—250 bgs, 40,380 lbs, Manila
PAINT—260 lbs, Durban; 90 lbs, Vancouver
PETROLATUM, MED—3,000 lbs, Hongkong
PETROLEUM, CRUDE—87,763 bbls, Tokuyama; 75,887 bbls, Ioco
PHENOL—50 lbs, Hongkong
QUICKSILVER—10 lbs, Manila; 30 lbs, Vancouver
SOAP, FLAKE—330 lbs, Vancouver
POWDER—2,510 lbs, Vancouver
SODA ASH—10,000 lbs, Manila; 507,150 lbs, Sao Paulo; 4,400 lbs, Buenaventura; 40,000 lbs, Valparaiso
BICARBONATE—1,010 lbs, Hongkong
CARBONATE—22,000 lbs, Buenaventura
CAUSTIC—10,200 lbs, Manila
SILICATE—6,300 lbs, Manila
TOILET PREPS—680 lbs, Manila; 2,350 lbs, Hongkong; 1,760 lbs, Vancouver
ZINC OXIDE—100 lbs, Hongkong

New Orleans Exports

ACID, PHOSPHORIC—50 tons, Ceiba
ASPHALT — 56 tons, West Coast South America
BLEACHING POWDER—40 tons, Tampico
CARBON BISULPHIDE — 1 dm, Puerto Cabezas
COTTON LINTERS—1 ton, Cristobal
DISTILLATE—2 tons, Ceiba
FIRECLAY—10 tons, Cristobal
GASOLINE — 36 tons, Bluefields; 47 tons, Ceiba; 270 tons, Puerto Cabezas
KEROSENE—94 tons, Puerto Barrios; 14 tons, Bluefields; 2 dms, Ceiba; 2 tons, Puerto Cabezas
LARD—36 tons, Santa Marta; 69 tons, Barranquilla; 50 tons, Havana; 65 tons, Cristobal; 7 tons, West Coast South America; 6 tons, Vera Cruz
LEAD, WHITE—47 tons, Cristobal
LIME, HYDRATED—113 tons, Armuelles; 250 tons, Ceiba
LUBRICANTS—9 tons, Tampico
OIL, DIESEL—19 tons, Puerto Cortez; 226 tons, Ceiba
FUEL—15 tons, Bluefields; 204 tons, Ceiba
LUBRICATING—29 tons, Havana; 16 tons, Cristobal; 8 dms, Puerto Cabezas; 4 dms, Ceiba
PARAFFIN — 22 tons, West Coast South America; 88 tons, Cartagena; 167 tons, Vera Cruz
PETROLEUM, REF'D — 2 tons, Puerto Cabezas
ROSIN — 36 tons, Barranquilla; 36 tons, Cristobal
SALT—25 tons, Havana
SODA, CYANIDE—12 tons, Puerto Cabezas

Philadelphia Exports

ACID FORMIC—18 cbys, Para
AMMONIA, ANHYD—13 cyls, Manaos
SULPHATE—110 bgs, Montevideo
55 bgs, Buenos Aires
220 bgs, Ceara
ASBESTOS, POWD—282 bgs, Buenos Aires
BENZOL—20 dms, Leixoes
CELLULOSE ACETATE—1 dm, Rio de Janeiro; 1 dm, 1 cs, Montevideo; 2 bxs, Buenos Aires
COLLODION COTTON—13 dms, Batavia
COTTON SOFTENER—7 kgs, 3 dms, Leixoes
COCOA BUTTER—225 cs, Shanghai
DINITROLUENE, OILY—7 dms, Montevideo
ETHYLCELLULOSE—2 ctns, Rio de Janeiro; 1 dm, 1 cs, Montevideo; 2 ctns, Buenos Aires
FERROSILICON—82 bbls, Lisbon
GASOLINE—9,000 cs, 1,200 dms, Ceara; 1,000 cs, 150 dms, Maranhao
GREASE, LUBRIC—60 bbls, Lisbon; 25 cs, Rio de Janeiro; 4 dms, 20 cs, Paranagua; 5 cs, Florianopolis; 70 dms, Montevideo; 8 cs, Para; 80 pkgs, Maranhao; 10 bbls, 35 buckets, Pernambuco; 3 dms, Bahia; 15 pkgs, Maceio
HEMATINE, CRYST—10 bbls, Montevideo
KEROSENE — 8,000 cs, Ceara; 5,000 cs, Maranhao; 6,000 cs, Bahia
MINERAL SPTS—99 cs, Para
OIL, ILLUMINATING—5 dms, Santos
LUBRICATING—285 dms, 10 cs, Port Swettenham; 3,130 dms, 868 cs, 105 pails, Singapore; 1,422 dms, 7 bbls, 10 kgs, 683 cs, Batavia; 563 dms, 5 bbls, 25 kgs, 305 cs, Semarang; 1,172 dms, 493 cs, Soerabaya; 25 dms, 72 cs, Padang; 5 dms, 129 cs, Siboiga; 212 dms, 455 cs, Belawan Deli; 129 dms, 100 cs, Penang; 135 dms, 420 cs, Palembang; 51 dms, 10 cs, Macassar; 142 dms, 1,676 cs, 5 bbls, Santos; 1,710 bbls, 152 dms, 2,945 cs, Lisbon; 5 dms, Oporto; 265 bbls, Leixoes; 311 dms, 700 cs, Rio de Janeiro; 44 dms, 1,220 cs, Paranagua, via Rio de Janeiro; 32 dms, 140 cs, Florianopolis, via Rio de Janeiro; 11 dms, Aracaju, via Rio de Janeiro; 760 dms, 275 cs, Montevideo; 2 dms, 11 cs, 2 bxs, Para; 325 pkgs, Ceara; 15 dms, Maranhao; 256 cs, 1,180 ctns, 220 dms, 60 pkgs, Pernambuco; 48 pkgs, Bahia; 56 cs, 10 ctns, 31 dms, Maceio
SOYBEAN—10 dms, Lisbon
PAINT—41 pkgs, Para
PARAFFIN—50 bbls, Oporto; 102 bgs, Santos; 435 bgs, Lisbon; 1,477 bgs, Tientsin; 300 bgs, Leixoes
PETROLATUM—5 bbls, Lisbon
SODA, HYDROSULFITE—101 dms, Pernambuco
TEXTILE FINISH — 1 dm, 1 bx, Rio de Janeiro; 1 dm, 1 bx, Buenos Aires
TOLUOL—58 dms, Buenos Aires
TRICHLORONOFLUOROMETHANE — 20 dms, Buenos Aires
41 pkgs, Para
WAX—10 cs, Maranhao; 12 pkgs, Maceio
ZIRCONIUM, POWD—6 kgs, 1 bx, Lisbon

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—14,854 bbls, Oleum; 78,177 bbls, San Francisco; 3,781 bbls, San Diego, 45,813 bbls, Seattle; 57,372 bbls, Seattle; 7,308 bbls, San Diego; 45,089 bbls, San Francisco
OIL, DIESEL—4,396 bbls, Oleum; 31,963 bbls, San Francisco; 34,147 bbls, Seattle; 5,985 bbls, Seattle; 21,548 bbls, Portland; 1,501 bbls, San Francisco
FUEL—47,625 bbls, Portland; 34,181 bbls, Oleum, 19,754 bbls, San Francisco; 65,703 bbls, Seattle; 2,359 bbls, Portland; 29,659 bbls, Portland; 100,629 bbls, Richmond
PETROLEUM, CRUDE—76,511 bbls, Oleum

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Acetic Acid:—Mozi, Japan; purchase (1).

Acetylsalicylic Acid:—Montreal, Canada; purchase (2).

Chemicals, Industrial and Fine:—Seville, Spain; purchase (10).

Chemicals, Industrial and Fine:—Seville, Spain; purchase (12).

Medicinals:—Rangoon, Burma; purchase (3).

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FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

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FOR SALE—2 5 in. x 12 in. Day water cooled 3 roll roller mills; 2½, 15, 40 gallon pony mixers; powder mixers, 100 to 1,500 pounds; pebble mills, laboratory to 800 gallons; 1 500 gallon glass lined kettle, etc. Send for latest listings. Brill Equipment Corporation, 187 Varick street, New York City.

FOR SALE—Two No. 7 and No. 10 Sweetland filters; four 7x5 ft. pebble mills; No. ½ Ball & Jewell rotary cutter; 9x24, 12x30 and 16x40 inch roller mills; Lehmann 16x40 inch 3 roll water cooled inclined roller mill; 3x8 ft. rotary steam tube dryer; No. 30 Devine vacuum shelf dryer; No. 00 Raymond mill; Gruendler 50 H.P. hammer mill; Stedman 42 inch disintegrator; four 900 gal. closed, jack., agitated kettles; 32 inch copper basket centrifugal; 36 inch copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; powder mixers; tablet machines, ½ and 2½ inch, single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

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1 Pfaudler glass lined steel egg beater, 30" dia. x 36"—belt driven, vertical gate type agitator, starch cooker.
1 Egg beater, similar to above.
1 Glass lined steel processing kettle, jacketed, 36" dia. x 40" ID belt driven, vertical type agitator starch cooker.
1 Processing kettle, similar to above.
1 Glass lined steel processing kettle, jacketed, 36" dia. x 48" ID belt driven—vertical type (gate type) agitator—cooking and cooling finished product.
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1 Sugar dissolver, aluminum body, 27" x 30" jacketed kettle.
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1 Elgin 6 valve, auto. can filler for filling syrup, belt driven.
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1 Ermold bottle labeler, No. 8408, similar to above.
1 O & I full automatic bottle labeler, multiple rotary type, with 8 holders, motor driven 1 HP motor.
1 Adriance No. 801-A semi-auto. bottle crowning machine No. 3127.
1 Adriance No. 805-B full auto. duplex low pressure bottle crowning machine belt driven.
1 Handycap full auto. single crowning machine No. 87, adjustable belt driven, 12" apron chain type feed with conveyor.
1 Handycap crowning machine, similar to above.
1 Self contained single stage air compressor, belt driven.
1 Buffalo centrifugal pump 7½ HP motor.
1 Duriron vinegar pump, belt driven ¾ HP motor shaft.
1 Tabor spiegal grains rotary pump No. 812474, 10 HP motor.
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MAN, experienced in production of lacquers and paints. Last position was foreman of lacquer factory for ten years. Thoroughly versed in color matching, routing of orders and some laboratory testing. BOX 875, Oil, Paint and Drug Reporter.

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Bids Wanted

Chlorosulphonic Acid - Sulphur, Trioxide Solution:—50,400 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 691, opening May 24.

Copper Sulphate:—10,000 pounds; Contracting Officer, Engineer Board, Fort Belvior, Va.; procurement 49, opening May 23.

Chrome Ore:—17,500 pounds; Treasury Department, Washington, opening May 24.

Drugs:—27 items; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn; procurement 161, opening May 27.

Magnesium:—17,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1524, opening May 28.

Nickel Salt:—3,200 pounds; Contracting Officer, Fort Belvior, Va.; procurement 49, opening May 23.

Paint:—Supplies of; Quartermaster Depot, War Department, Washington; procurement 950-249, opening May 29.
Supplies of; Director, Bureau of Engraving and Printing, Washington; schedule 3, opening May 28.

Pyroxolin Primer:—1,000 gallons; Commanding Officer, Charleston Depot, S.C.; procurement 39, opening May 22.

Soda Oxalate:—79,750 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1525, opening May 28.

Sulphuric Acid:—10,000 pounds; Contracting Officer, Engineer Board, Fort Belvior, Va.; procurement 49, opening May 23.

Turpentine:—5,500 gallons; Treasury Department, Washington; procurement 8114-S5, opening May 23.

Varnish:—Supplies of; Director, Bureau of Engraving and Printing, Washington; schedule 3, opening May 28.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Gasoline:—Mexico has authorized the temporary exportation of crude gasoline and petroleum for refining abroad and the subsequent reimportation into Mexico of the finished products.

Linseed:—Latvia exports of linseed have been made subject to a duty of 0.20 lat per kilo.

Soda Borate:—Peru has established a duty of 0.06 sol per gross kilo on imports of soda borate for industrial use.

Vitamins: — All margarine, other than that sold for manufacturing purposes, will contain vitamins A and D in the same quantities as they occur in butter, in accordance with an agreement reached between British margarin manufacturers and the Ministry of Food.

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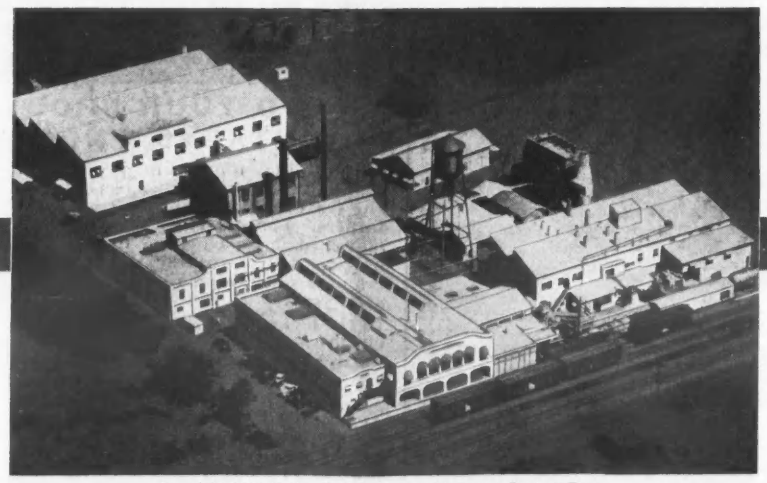

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